JVC

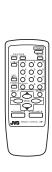
SERVICE MANUAL

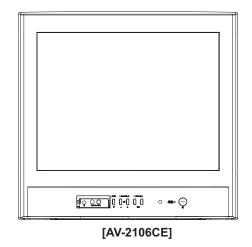
COLOUR TELEVISION

AV-2106CE, AV-21F16, AV-21FMG6/G, AV-21FMG6B/G

BASIC CHASSIS

CG4





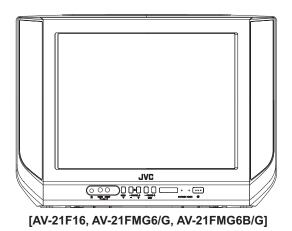


TABLE OF CONTENTS

1	PRECAUTION	. 1-3
2	SPECIFIC SERVICE INSTRUCTIONS	. 1-4
3	DISASSEMBLY	. 1-5
4	ADJUSTMENT	1-13
5	TROUBLESHOOTING	1-27

SPECIFICATION

		Contents			
Items		AV-2106CE	AV-21F16	AV-21FMG6/G AV-21FMG6B/G	
Dimensions $(W \times H \times D)$		$50.2 \text{ cm} \times 47.7 \text{ cm} \times 47.2 \text{ cm}$	61.9 cm × 45.8 cm × 48.7 cm	n	
Mass		21 kg			
TV RF System		B/G, I, D/K		B/G, I, D/K,M	
Colour System		PAL SECAM NTSC 3.58 / NTSC 4.43 (NTSC:EXT only).	PAL SECAM NTSC 3.58 / NTSC 4.43		
Receiving Frequency	VHF High UHF	46.25 MHz to 140.25 MHz 147.25 MHz to 423.25 MHz 431.25 MHz to 863.25 MHz Mid (X to Z+2, S1 to S10) / Su	per (S11 to S20) / Hyper (S21	to S41) bands	
Intermediate Frequency	VIF	38.0 MHz (B/G, I, D/K)	38.0 MHz (B/G, I, D/K, M)		
SIF		32.5 MHz (5.5 MHz: B/G) 32MHz (6.0 MHz: I) 31.5MHz (6.5 MHz: D/K)	32MHz (6.0 MHz: I)		
SECAM		4.43 MHz 4.40625 MHz / 4.25 MHz 3.58 MHz / 4.43 MHz			
Power Input		AC110 V to AC240 V, 50 Hz /	60 Hz		
Power Consumption		100 W (Max) / 65 W(Avg)	90 W (Max) / 60 W(Avg)		
Picture Tube		Visible size: 52.3 cm measured diagonally (H : 41.6 cm × V : 31.5 cm)	Visible size: 52.8 cm measured diagonally (H : 42.0 cm × V : 32.0 cm)		
High Voltage		26.5 kV±1.5kV (at zero beam	current)		
Speaker		5 cm \times 9 cm, Oval type \times 1	6 cm \times 12 cm, Oval type \times 2		
Audio Power Output		3 W (monaural)			
Aerial Input Terminal		75 Ω unbalanced, coaxial			
		1 V(p-p), 75 Ω , RCA pin jack \times 2 500 mV(rms) (-4 dBs), High impedance, RCA pin jack \times 2			
Output Terminal [Rear]		1 V(p-p), 75 Ω , RCA pin jack \times 1 500 mV(rms) (-4 dBs), Low impedance, RCA pin jack \times 1			
Headphone Jack		3.5 mm mini jack × 1			
Remote Control Unit		RM-C360GY (Battery size : A	A / R6 / UM-3 × 2)		

Design and specifications are subject to change without notice.

SECTION 1 PRECAUTION

1.1 SAFETY PRECAUTIONS

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by shading on the schematics and by (\triangle) on the parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
- (4) Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.

Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (\bot) side GND, the ISOLATED (NEUTRAL) : ($\stackrel{\bot}{=}$) side GND and EARTH : ($\stackrel{\textcircled{}}{=}$) side GND.

Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.

- (5) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B1 POWER SUPPLY).
- (6) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
- (7) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.

- (8) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.
- (9) Isolation Check (Safety for Electrical Shock Hazard)
 After re-assembling the product, always perform an
 isolation check on the exposed metal parts of the cabinet
 (antenna terminals, video/audio input and output terminals,
 Control knobs, metal cabinet, screw heads, earphone jack,
 control shafts, etc.) to be sure the product is safe to operate
 without danger of electrical shock.

a) Dielectric Strength Test

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

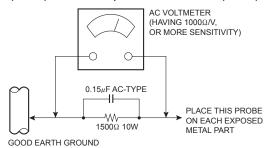
b) Leakage Current Check

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a $0.15\mu F$ AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



SECTION 2 SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

PICTURE MODE

This function can adjust the picture settings automatically. There are BRIGHT, STANDARD and SOFT in the PICTURE MODE.

RETURN +

This function can set a channel you frequently view to the Return Channel and you can view that channel at any time with one-touch.

CHILD LOCK

Use this function to prevent children from operating the TV without parental consent.

VNR

This function can reduce the picture noise.

2.2 MAIN DIFFERENCE LIST

Item	AV-2106CE	AV-21F16	AV-21FMG6/G	AV-21FMG6B/G
Cabinet Design	C type cabinet	F type cabinet	←	←
LED colour	Green/Red	Red/Orange	←	←
TV RF System	B/G, I, D/K	←	B/G, I, D/K, M	←
OSD Language	Eng, Rus, Ukr	Eng, Chi, Malay, Ind	Eng, Ara, Per, Rus	←
Speaker	5cm × 9cm Oval type ×1	6cm × 12cm Oval type ×2	←	←
MAIN PWB	SCG-1517A-H2	SCG-1541A-H2	SCG-1542A-H2	SCG-1543A-H2

2.3 TECHNINAL INFORMATION

2.3.1 MAIN MI-COM (CPU) PIN FUNCTION

Pin No.	Pin name	I/O	Function	Pin No.	Pin name	I/O	Function
1	REMOCON	I	Remote control	22	PROTECT	I	Low B protect detection [Detect: H]
2	SDA2	I/O	Data for Inter IC control (For main memory)	23	P_ON/OFF	I	Main power control [ON : H]
3	SCL2	0	Clock for Inter IC contorl (For main memory)	24	LOCK	-	Not used
4	BUS_FREE	-	Not used	25	3.58/OTH	-	Not used
5	NC	-	Not used	26	4.5/OTH	-	Not used
6	KEY1	Ι	Key scan for front key (Menu CH -/+)	27	H_SYNC	I	Horizontal sync
7	KEY2	I	Key scan for front key (Vol -/+)	28	1/11	-	Not used
8	ECO IN	-	Not used	29	OSD_Ys	0	Ys (blanking) for OSD
9	AFT	Ι	AFT voltage for tuner	30	OSD_B	0	Blue for OSD
10	LED[POW]	-	Not used	31	OSD_G	0	Green for OSD
11	LED[TIM]	0	Liting for timer [Liting : H]	32	OSD_R	0	Red for OSD
12	GND	-	GND	33	NC	-	Not used
13	NC	-	Not used	34	RST	I	CPU reset [Reset:L]
14	NC	-	Not used	35	V_SYNC	I	Vertical sync
15	TV/V	-	Not used	36	TCLOCK	-	Not used
16	TEXT RESET	-	Not used	37	SDA1	I/O	Data for Inter IC control (For generally)
17	ACL ON/OFF	-	Not used	38	SCL1	0	Clock for Inter IC contorl (For generally)
18	VOL	0	Volume control	39	VDD	I	3.3V
19	A_MUTE	0	Aodio muting [Muting : H]	40	OSC1	I	System clock oscillation (4MHz)
20	NC	-	Not used	41	OSC2	0	System clock oscillation (4MHz)
21	TEXT/OTH	-	Not used	42	VSS	-	GND

SECTION 3 DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE [AV-2106CE]

3.1.1 REMOVING THE REAR COVER

- · Unplug the power cord.
 - (1) Remove the 4 screws [A], 1 screw [B] and 1 screw [C] as shown in Fig.1.
 - (2) Withdraw the REAR COVER toward you.

CAUTION:

When reinstalling the rear cover, carefully push it inward after inserting the MAIN PWB into the REAR COVER groove.

3.1.2 REMOVING THE MAIN PW BOARD

- Remove the REAR COVER.
 - (1) Slightly raise the both sides of the MAIN PWB by hand.
 - (2) Withdraw the MAIN PWB backward.
 (If necessary, take off the wire clamp and connectors, etc.)

3.1.3 REMOVING THE SPEAKER

- · Remove the REAR COVER.
 - (1) Remove the 4 screws [D] as shown in Fig.1.

3.1.4 CHECKING THE MAIN PW BOARD

- · To check the back side of the MAIN PWB.
 - (1) Pull out the MAIN PWB. (Refer to REMOVING THE MAIN PW BOARD).
 - (2) Erect the MAIN PWB vertically so that you can easily check its back side.

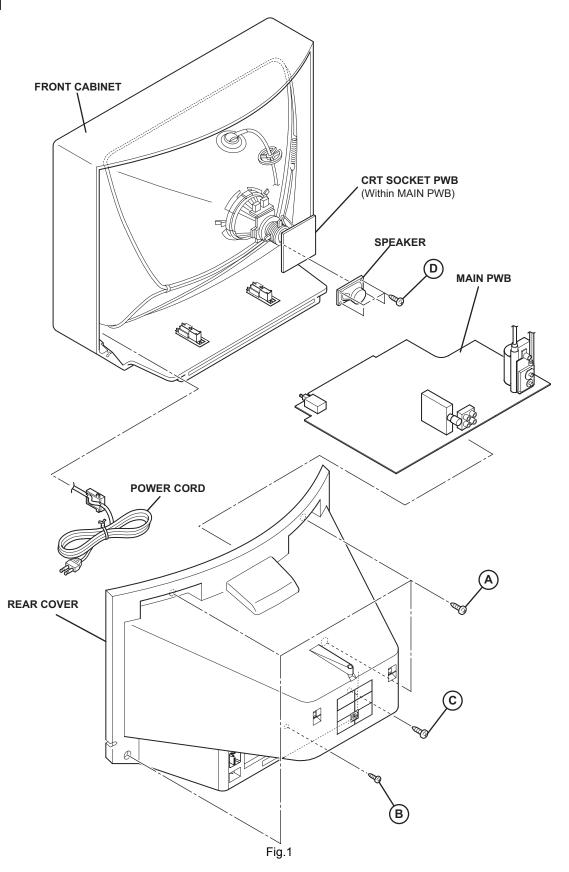
CAUTIONS:

- Before turning on power, make sure that the CRT earth wire and other connectors are properly connected.
- When repairing, connect the DEG. COIL to the DEG. connector on the MAIN PWB.

3.1.5 WIRE CLAMPING AND CABLE TYING

- (1) Be sure to clamp the wire.
- (2) Never remove the cable tie used for tying the wires together.

Should it be inadvertently removed, be sure to tie the wires with a new cable tie.



3.2 DISASSEMBLY PROCEDURE [AV-21FMG6/G]

3.2.1 REMOVING THE REAR COVER

- · Unplug the power cord.
 - (1) Remove the 5 screws [A], 1 screw [B] and 1 screw [C] as shown in Fig.2.
 - (2) Withdraw the REAR COVER toward you.

CAUTION:

When reinstalling the rear cover, carefully push it inward after inserting the MAIN PWB into the REAR COVER groove.

3.2.2 REMOVING THE MAIN PW BOARD

- · Remove the REAR COVER.
 - (1) Slightly raise the both sides of the MAIN PWB by hand.
 - (2) Withdraw the MAIN PWB backward. (If necessary, take off the wire clamp and connectors, etc.)

3.2.3 REMOVING THE SPEAKER

- · Remove the REAR COVER.
 - (1) Remove the 2 screws [D] as shown in Fig.2.
 - (2) Follow the same steps when removing the other hand SPEAKER.

3.2.4 CHECKING THE MAIN PW BOARD

- · To check the back side of the MAIN PWB.
 - (1) Pull out the MAIN PWB. (Refer to REMOVING THE MAIN PW BOARD).
 - (2) Erect the MAIN PWB vertically so that you can easily check its back side.

CAUTIONS:

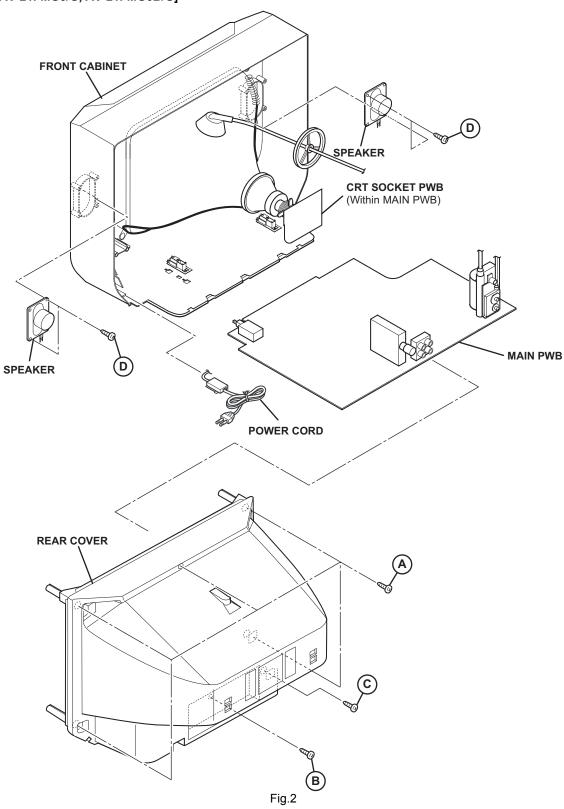
- Before turning on power, make sure that the CRT earth wire and other connectors are properly connected.
- When repairing, connect the DEG. COIL to the DEG. connector on the MAIN PWB.

3.2.5 WIRE CLAMPING AND CABLE TYING

- (1) Be sure to clamp the wire.
- (2) Never remove the cable tie used for tying the wires together.

Should it be inadvertently removed, be sure to tie the wires with a new cable tie.

[AV-21F16, AV-21FMG6/G, AV-21FMG6B/G]



3.3 MEMORY IC REPLACEMENT

- · This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.3.1 MEMORY IC REPLACEMENT PROCEDURE

1. Power off

Switch off the power and disconnect the power plug from the AC outlet.

2. Replace the memory IC

Be sure to use the memory IC written with the initial setting values.

3. Power on

Connect the power plug to the AC outlet and switch on the power.

4. System constant check and setting

- · It must not adjust without adjustment signals.
 - Press the [DISPLAY] key and the [PICTURE MODE] key of the REMOTE CONTROL UNIT simultaneously.
 - (2) The SERVICE MENU screen of Fig. 1 will be displayed.
 - (3) While the SERVICE MENU is displayed, again press the **[DISPLAY]** key and **[PICTURE MODE]** key simultaneously, and the SYSTEM CONSTANT SET screen of Fig. 2 will be displayed.
 - (4) Check the setting values of the SYSTEM CONSTANT SETTING. If the value is different, select the setting item with the [MENU ▲/▼] key, and set the correct value with the [MENU / +] key.
 - (5) Press the [DISPLAY] key twice, and return to the normal screen.

5. Receiving channel setting

Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

6. User settings

Check the user setting items according to the given in page later.

Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

7. SERVICE MENU setting

Verify what to set in the SERVICE MENU, and set whatever is necessary (Fig.1).

Refer to the SERVICE ADJUSTMENT for setting.

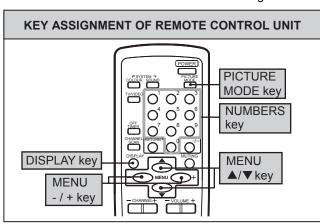




Fig.1

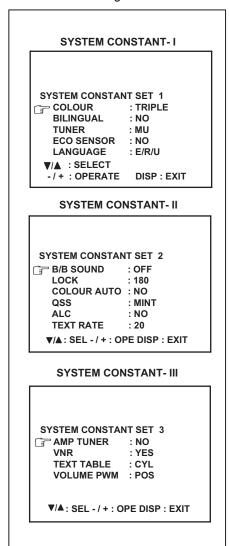


Fig.2

3.3.2 SETTINGS OF FACTORY SHIPMENT

3.3.2.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	PR1
VOLUME	10

3.3.2.2 REMOTE CONTROL DIRECT OPERATION

Setting item	Setting position
CHANNEL	PR1
VOLUME	10
TV/VIDEO	TV
PICTURE MODE	BRIGHT
COLOUR SYSTEM	PAL
SOUND SYSTEM	B/G

3.3.2.3 REMOTE CONTROL MENU OPERATION

(1) MENU-1

Setting item	Setting position
INPUT	TV
ON TIMER	PR1 0:00
VNR	OFF

(2) MENU-2

Setting item	Setting position
AUTO SHUTOFF	OFF
CHILD LOCK	OFF
BLUE BACK	OFF

(3) MENU-3

Setting item	Setting position
SETUP TOUR	ON
LANGUAGE	ENGLISH

(4) MENU-4

Setting item	;	Setting position	า
Setting item	BRIGHT	STANDARD	SOFT
TINT	15	15	15
COLOUR	15	15	15
BRIGHT	15	15	15
CONT.	30	15	11
SHARP	15	15	12

3.3.3 SYSTEM CONSTANT SETTING

Cottina itam		Settin	ig value	
Setting item	AV-2106CE	AV-21F16	AV-21FMG6/G	AV-21FMG6B/G
COLOUR	TRIPLE	←	MULTI	←
BILINGUAL	NO	←	←	←
TUNER	MU	←	←	←
ECO SENSOR	NO	←	←	←
LANGUAGE	E/R/U	E/C/M/I	E/A/P/R	←
B/B SOUND	OFF	←	←	←
LOCK	180	←	←	←
COLOUR AUTO	NO	←	YES	←
QSS	MINT	←	←	←
ALC	NO	←	←	←
TEXT RATE	20	←	←	←
AMP TUNER	NO	←	←	←
VNR	YES	←	←	←
TEXT TABLE	CYL	←	←	←
VOLUM PWM	POS	←	←	←

3.3.4 SERVICE MENU SETTING ITEMS

Setting item	Setting value	Setting item		Setting value
2. V/C 3. DEFLECTION	1.CUT OFF 2.DRIVE 3.BRIGHT 4.CONT. 5.COLOUR 6.TINT 7.SECAM BL ADJUST 8.SHARP [Do not adjust] 9.AMP T. SHARP [Do not adjust] 1. VER. POSITION	5. PRESET [Do not adjust]		1. C-TRAP FIX 2. SHARP PEAK 3. ABL 4. GAMMA 5. Y. DELAY TIME 6. BLACK EXP START 7. C-BPF 8. CW / SCP 9. VIF DET LEVEL 11. IF AGC MIN
4.VSM PRESET	2. HOR. POSITION 3. VER. HEIGHT 4. VER. LINEARITY 5. VER. SCURVE 6. HOR. VCO ADJUST [Do not adjust] TINT			12. VIF AGC 13. VIF PMOD 19. VNR 20. RGB LIM 21. RGB LIMIT LEVEL 23. TEXT H. POSITION
4.VOMPRESET	COLOUR BRIGHT CONT. SHARP		Sound System	24. READ DATA 10. SIF DET LEVEL 14. SIF BPF BW ADJUST 15. SIF TRAP F0 ADJUST 16. SIF TRAP F0 ADJUST 2 17. SIF -TRAP 18. SIF -BPF 22. SIF SW

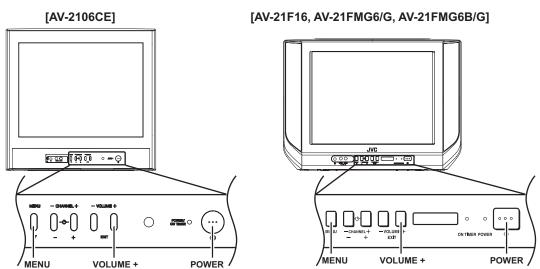
3.3.5 REPLACEMENT OF IC301 (IF V/C DECODER)

• For the IC301(IF V/C DECODER) of this model, all data are written in the micro-computer. So, write the data in the micro-computer in accordance with the following procedures before starting adjustment.

■ PROCEDURES

- (1) Turn the POWER OFF.
- (2) Replace the IC301 with a new one.
- (3) While pressing **[MENU]** button and **[VOL+]** button ON the FRONT CABINET simultaneously, turn the POWER ON. When the POWER is turned ON, the data is written in the micro-computer immediately.

■ LOCATIONS OF FRONT PANEL BUTTONS



3.4 REPLACEMENT OF CHIP COMPONENT

3.4.1 CAUTIONS

- (1) Avoid heating for more than 3 seconds.
- (2) Do not rub the electrodes and the resist parts of the pattern.
- (3) When removing a chip part, melt the solder adequately.
- (4) Do not reuse a chip part after removing it.

3.4.2 SOLDERING IRON

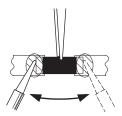
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

3.4.3 REPLACEMENT STEPS

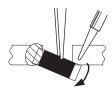
1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



(2) Shift with the tweezers and remove the chip part.



[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



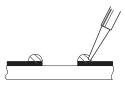
NOTE:

After removing the part, remove remaining solder from the pattern.

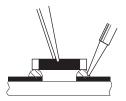
2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

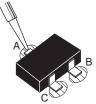


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

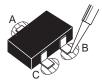


[Transistors, diodes, variable resistors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the
- (3) First solder lead A as indicated in the figure.



(4) Then solder leads B and C.



SECTION 4 ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

- (1) There are 2 ways of adjusting this TV: One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.
- (2) The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- (3) Make sure that connection is correctly made AC to AC power source.
- (4) Turn on the power of the TV and measuring instruments for warming up for at least 30 minutes before starting adjustments.
- (5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
- (6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

4.2 PRESET SETTING BEFORE ADJUSTMENT

Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

ltem	Preset value
PICTURE MODE	BRIGHT
TINT / COLOUR / BRIGHT / CONT. / SHARP	Centre
VNR	OFF
BLUE BACK	OFF
OFF TIMER	OFF
AUTO SHUT OFF	OFF

4.3 MEASURING INSTRUMENT AND FIXTURES

- (1) DC voltmeter (or digital voltmeter)
- (2) Oscilloscope
- (3) Signal generator (Pattern generator : PAL / SECAM / NTSC)
- (4) Remote control unit

4.4 ADJUSTMENT ITEMS

■ CHECK ITEM

B1 VOLTAGE check

■ TUNER / IF CIRCUIT

- IF VCO adjustment
- DELAY POINT adjustment

■ FOCUS

FOCUS adjustment

■ DEFLECTION CIRCUIT

- V.HEIGHT / V.POSITION adjustment
- H. POSITION adjustment
- V.LINEARITY / V.S-CURVE adjustment

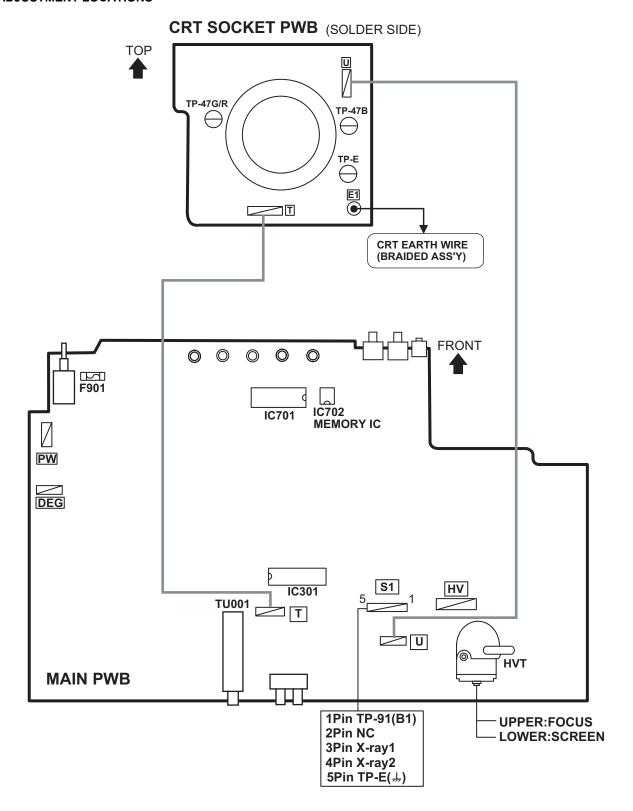
■ VIDEO CIRCUIT

- · WHITE BALANCE adjustment
- · SUB BRIGHT adjustment
- · SUB CONTRAST adjustment
- SUB COLOUR adjustment
- SUB TINT adjustment
- · SECAM BALACK OFFSET adjustment

■ VSM PRESET SETTING

· VSM PRESET setting

4.5 ADJUSTMENT LOCATIONS



4.6 BASIC OPERATION OF SERVICE MENU

4.6.1 TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

4.6.2 SERVICE MENU ITEMS

With the SERVICE MENU, various adjustments can be made, and they are broadly classified in the following items of settings.

1.IF	Adjustment of the IF circuits.			
2.V/C	djustment of the VIDEO circuit.			
3.DEF	Adjustment of the DEFLECTION circuit.			
4.VSM PRESET	Adjustment of the initial setting values of VSM condition as STANDARD, SOFT and BRIGHT.			
5.PRESET	Adjustment of the RF circuit [Do not adjust].			
6.SETUP TOUR	It should be able to select mode (LANGUAGE and AUTO CH PRESET) [Should be OFF].			

4.6.3 HOW TO ENTER THE SERVICE MENU

Press the **[DISPLAY]** key and the **[PICTURE MODE]** key of the REMOTE CONTROL UNIT simultaneously. Then enter the SERVICE MENU mode as shown in Fig.1.

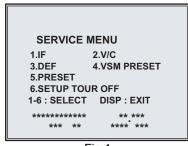


Fig.1

4.6.4 HOW TO STORE OF SETTING VALUE

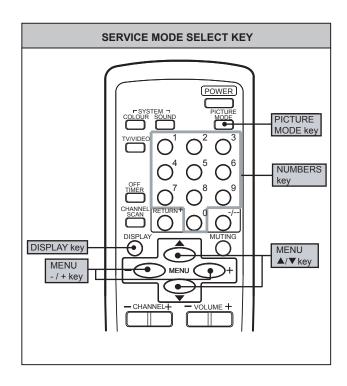
The setting value will be stored automatically when release the REMOTE CONTROL UNIT keys

4.6.5 HOW TO EXIT THE SERVICE MENU

When complete the adjustment work, press the **[DISPLAY]** key to return to the SERVICE MENU. And then press the **[DISPLAY]** key again, return to the normal screen.

4.6.6 SELECTION OF SUB MENU SCREEN

Press one of [1] to [5] keys of the REMOTE CONTROL UNIT and select the SUB MENU SCREEN form the SERVICE MENU.



4.6.7 METHOD OF SETTING

■ 1. IF

[1. VCO]

(1) [1] key Select 1. IF.
(2) [1] key Select 1. VCO.
(3) [MENU ▲/▼] keys Select setting items.

(4) [MENU - / +] keys Adjust the values of the items.

(5) [DISPLAY] key As you press this key twice, you will return to the SERVICE MENU.

[2. DELAY POINT]

(1) [1] key Select 1. IF.

(2) [2] key Select 2. DELAY POINT.

(3) [MENU - / +] keys Set (adjust) the setting values of the setting items.

(4) [DISPLAY] key When this is pressed twice, you will return to the SERVICE MENU.

NOTE:

When the setting value has been changed, the new value will be stored in memory immediately.

■ 2. V/C, 3. DEF and 4. VSM PRESET

(1) [2] to [4] keys Select one from 2. V/C, 3. DEF and 4. VSM PRESET.

(2) [MENU ▲/▼] keys Select setting items.

(3) **[MENU - / +]** keys Adjust the values of the items.

(4) **[DISPLAY]** key When this is pressed, return to the **SERVICE MENU**.

NOTE:

When the setting value has been changed, the new value will be stored in memory immediately.

■ 5. PRESET (Do not adjust)

■ 6. SETUP TOUR

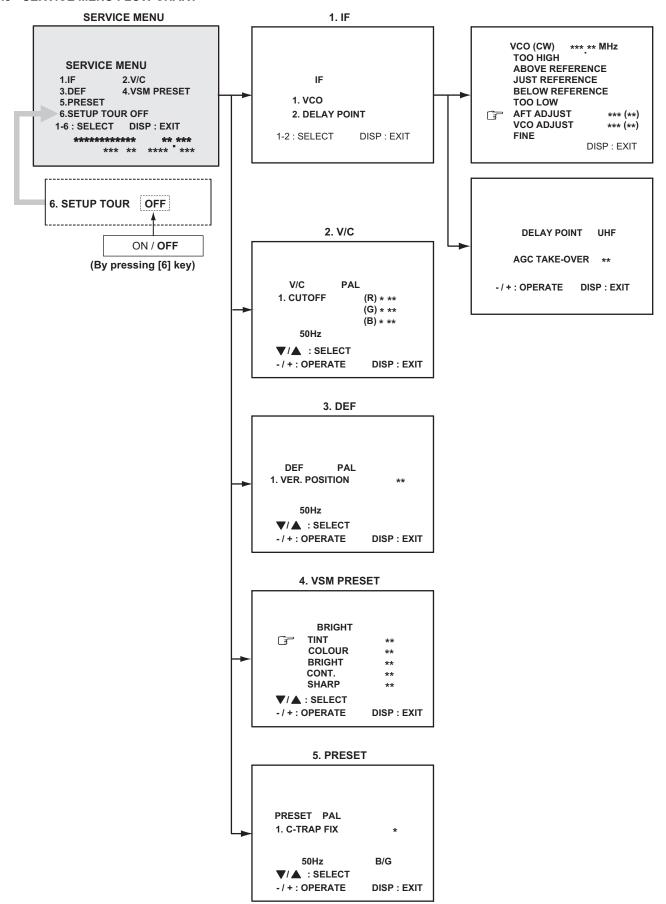
(1) By pressing the [6] key, you can change the ON or OFF [should be OFF].

Should be OFF:

If it is ON, when you turn off the power and turn on a power again, the JVC's logo will be shown about 15 seconds automatically, and the SETUP TOUR starts.

(2) [MENU - / +] keys Select Language.(3) [MENU ▼] key Auto Search.

4.6.8 SERVICE MENU FLOW CHART



4.7 INITIAL SETTING VALUE OF SERVICE MENU

- Adjustment of the SERVICE MENU is made on the basis of the initial setting values; however, the new setting values which set the screen in its optimum condition may differ from the initial setting.
- Do not change the initial Setting Values of the Setting (Adjustment) items not listed in "ADJUSTMENT PROCEDURE".

[2. V/C] [AV-2106CE]

Cottin	Satting itom		Initial setting value			
Setting item		Variable range	PAL	SECAM	NTSC 3.58	NTSC 4.43
1.CUT OFF	RED	-128 - +127	-50	-50	-50	-50
	GREEN	-128 - +127	-50	-50	-50	-50
	BLUE	-128 - +127	-50	-50	-50	-50
2.DRIVE	RED	-128 - +127	+0	+0	+0	+0
	BLUE	-128 - +127	+0	+0	+0	+0
3.BRIGHT		-128 - +127	+0	+0	+0	+0
4.CONT.		-63 - +63	+0	+0	+0	+0
5.COLOUR		-63 - +63	+0	+0	+0	-5
6.TINT	TV	-63 - +63			+0	0
VIDEO		-63 - +63			+0	+3
7.SECAM BL ADJUST		-31 - +31	+0	+0	+0	+0
8.SHARP	TV	-31 - +31	-8 (Fixed)	-8 (Fixed)	-8 (Fixed)	-8 (Fixed)
(Do not adjust)	VIDEO	-31 - +31	+15 (Fixed)	+15 (Fixed)	+15 (Fixed)	+15 (Fixed)
9.AMP T. SHARP	•	-31 - +31	-12	-12	-12	-12

[2. V/C] [AV-21F16]

Cattin	Satting itom		Initial setting value			
Setting item		Variable range	PAL	SECAM	NTSC 3.58	NTSC 4.43
1.CUT OFF	RED	-128 - +127	-50	-50	-50	-50
	GREEN	-128 - +127	-50	-50	-50	-50
	BLUE	-128 - +127	-50	-50	-50	-50
2.DRIVE	RED	-128 - +127	+0	+0	+0	+0
	BLUE	-128 - +127	+0	+0	+0	+0
3.BRIGHT		-128 - +127	+0	+0	+0	+0
4.CONT.		-63 - +63	+0	+0	+0	+0
5.COLOUR		-63 - +63	+0	+0	+0	-5
6.TINT	TV	-63 - +63				
	VIDEO	-63 - +63			+0	-1
7.SECAM BL ADJ	UST	-31 - +31	+0	+0	+0	+0
8.SHARP (Do not adjust)	TV	-31 - +31	-8 (Fixed)	-8 (Fixed)	-8 (Fixed)	-8 (Fixed)
	VIDEO	-31 - +31	+15 (Fixed)	+15 (Fixed)	+15 (Fixed)	+15 (Fixed)
9.AMP T. SHARP	•	-31 - +31	-12	-12	-12	-12

[2. V/C] [AV-21FMG6/G, AV-21FMG6B/G]

Cotti	Sotting itom			Initial setting value		
Setting item		Variable range	PAL	SECAM	NTSC 3.58	NTSC 4.43
1.CUT OFF	RED	-128 - +127	-50	-50	-50	-50
	GREEN	-128 - +127	-50	-50	-50	-50
	BLUE	-128 - +127	-50	-50	-50	-50
2.DRIVE	RED	-128 - +127	+0	+0	+0	+0
	BLUE	-128 - +127	+0	+0	+0	+0
3.BRIGHT		-128 - +127	+0	+0	+0	+0
4.CONT.		-63 - +63	+0	+0	+0	+0
5.COLOUR		-63 - +63	+0	+0	+0	-5
6.TINT	TV	-63 - +63			+0	+0
	VIDEO	-63 - +63			+7	-1
7.SECAM BL ADJ	ÜST	-31 - +31	+0	+0	+0	+0
8.SHARP	TV	-31 - +31	-8 (Fixed)	-8 (Fixed)	-8 (Fixed)	-8 (Fixed)
(Do not adjust)	VIDEO	-31 - +31	+15 (Fixed)	+15 (Fixed)	+15 (Fixed)	+15 (Fixed)
9.AMP T. SHARP	•	-31 - +31	-12	-12	-12	-12

[3. DEFLECTION]

Setting item	Variable range	Initial setting value		
Setting item	variable ralige	fv : 50Hz	fv : 60Hz	
1. VER. POSITION	-4 - +3	-1	-3	
2. HOR. POSITION	-16 - +15	+3	+3	
3. VER. HEIGHT	-64 - +63	-35	+1	
4. VER. LINEARITY	-32 - +31	+15	-1	
5. VER. SCURVE	-32 - +31	-32	+0	
6. HOR. VCO ADJUST [Do not adjust]	-63 - +63	+0	+0	

[4.VSM PRESET] [AV-2106CE]

Sotting itom	Variable range	Initial setting value			
Setting item	variable ralige	BRIGHT	STANDARD	SOFT	
TINT	0 - 30	15	15	15	
COLOUR	0 - 30	15	15	15	
BRIGHT	0 - 30	15	15	15	
CONT.	0 - 30	30	15	11	
SHARP	0 - 30	15	15	12	

[4.VSM PRESET] [AV-21F16, AV-21FMG6/G, AV-21FMG6B/G]

Softing itom	Variable range	Initial setting value			
Setting item	variable ralige	BRIGHT	STANDARD	SOFT	
TINT	0 - 30	15	15	15	
COLOUR	0 - 30	15	15	15	
BRIGHT	0 - 30	15	15	15	
CONT.	0 - 30	30	18	14	
SHARP	0 - 30	20	15	12	

[5. PRESET]

The items in the following table, it is no requirement for adjustment. If values had changed by the miss operation, set the initial setting values in the following table.

● COLOUR SYSTEM (Do not adjust)

Setting item		Verieble renge	Initial setting value (Fixed value)			
		Variable range —	PAL	SECAM	NTSC 3.58	NTSC 4.43
1. C TRAP FIX		0 - 1	1	1	1	1
2. SHARP PEA	AK .	0 - 1	0	0	0	0
3. ABL		0 - 1	1	1	1	1
4. GAMMA		0 - 1	0	0	0	0
5. Y. DELAY T	IME TV	0 - 3	0	2	2	3
	VIDEO	0 - 3	0	2	0	2
6. BLACK EXP	START	0 - 3	3	3	3	3
7. C-BPF	TV	0 - 1	1	1	0	0
	VIDEO	0 - 1	1	1	1	1
8. CW / SCP		0 - 1	0 0 0		0	0
9. VIF DET LE	VEL	-63 - +63	+0	+0	+0	+0
11. IF AGC MII	N	0 - 1	0	0	0	0
12. VIF AGC		0 - 1	0	0	0	0
13. VIF PMOD		0 - 1	0	0	0	0
19. VNR		0 - 63	15	15	15	15
20. RGB LIM		0 - 1	1	1	1	1
21. RGB LIMIT	LEVEL	0 - 7	2	2	2	2
23. TEXT H. P	OSITION	-16 - +15	-3	-3	-3	-3
24. READ DAT	Ā					

● SOUND SYSTEM (Do not adjust)

Satting itom	Variable renge	Initial setting value (Fixed value)			
Setting item	Variable range	B/G	I	D/K	М
10. SIF DET LEVEL	-7 - +7	+0	+0	+0	+0
14. SIF BPF BW ADJUST	-7 - +7	+0	+0	+0	+0
15. SIF TRAP FO ADJUST	-7 - +7	+0	+0	+0	+0
16. SIF TRAP FO ADJUST 2	-7 - +7	+0	+0	+0	+0
17. SIF -TRAP	0 - 1	0	0	0	0
18. SIF -BPF	0 - 1	0	0	0	1
22. SIF SW	0 - 1	1	1	1	0

4.8 ADJUSTMENT PROCEDURE

4.8.1 CHECK ITEM

Item	Measuring instrument	Test point	Adjustment part	Description
B1 VOLTAGE	generator	TP-B1 : 1-pin TP-E : 5-pin (S1 connector) [MAIN PWB]		(1) Receive a whole black signal.(2) Connect a DC voltmeter to 1-pin and 5-pin of S1 connector.(3) Make sure that the voltage is DC116.2V±2.0V.

4.8.2 TUNER / IF CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
TO AB JU BE TO AF	DISP : E	*) *) XIT TOO H ABOVE JUST R	IGH E REFERENCE REFERENCE V REFERENCE	 Please use a signal generator which frequency output is correctly calibrated. (1) Receive any broadcast. (2) Select 1.IF from the SERVICE MENU. (3) Select < 1.VCO >. (4) Select VCO ADJUST with [MENU ▲/▼] key. (5) Press [MENU - / +] keys until the colour of the characters TOO HIGH changes blue to yellow. Ther gradually press the [MENU - / +] keys until the TOO LOW changes yellow. At this time, confirm that the value of VCO ADJUST is near +00. (6) Select AFT ADJUST with [MENU ▲/▼] key. (7) Press [MENU - / +] keys until the characters JUST REFERENCE changes blue to yellow. (8) Press the [DISPLAY] key three times to return to normal screen.

Item	Measuring instrument	Test point	Adjustment part	Description
DELAY POINT (AGC)		LAY POINT UHF C TAKE-OVER ** ERATE DISP : E	[1. IF] 2. DELAY POINT (AGC TAKE-OVER)	 (1) Receive a black and white signal (colour off). (2) Select 1. IF. (3) Select < 2. DELAY POINT >. (4) Set the setting values of the setting items as shown bellow table. (5) Then adjust the [MENU - / +] keys until video noise disappears. (6) Turn to other channels and make sure that there are no irregularities.
Setting	Item	Variable range	Initial setting value	
DELAY POINT (AGC TAKE-OVE	NTSC3.58 OTHER	0 - 127	45 35	

4.8.3 FOCUS

Item	Measuring instrument	Test point	Adjustment part	Description
FOCUS	Signal generator		FOCUS VR [In HVT]	 (1) Receive a crosshatch signal. (2) While watching the screen, adjust the FOCUS VR to make the vertical and horizontal lines as fine and sharp as possible. (3) Make sure that when the screen is darkened, the lines remain in good focus.

4.8.4 DEFLECTION CIRCUIT

- There are 2 modes of adjustment (setting value) 50Hz mode and 60Hz mode, depending upon the kind of signals (vertical frequency 50Hz / 60Hz).
- When adjusted in 50Hz mode and 60Hz mode will be automatically set.

The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

• Make sure that the adjustment is properly done on the screen of 60Hz mode.

NOTE:

- Adjust to make both 50Hz & 60Hz are the same v. size and fine straight line.
- When adjust again, adjust 50Hz mode first.
- When adjust in 60Hz mode, only 60Hz mode is adjust.

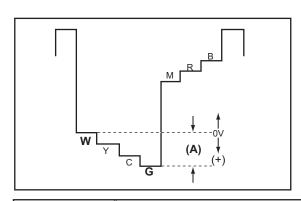
Item	Measuring instrument	Test point	Adjustment part	Description
V. HEIGHT / V. POSITION	Signal generator Remote control unit		[3. DEF] 1. VER. POSITION 3. VER. HEIGHT	 (1) Receive a crosshatch signal. (2) Select 3. DEF from the SERVICE MENU. (3) Select < 1. VER. POSITION >. (4) Set the initial setting value of < 1. VER. POSITION >. (5) Adjust < 1. VER. POSITION > to make the vertical
Screen size		Fig.1	Picture size 100%	centre fall on the display centre. (6) Select <3. VER. HEIGHT >. (7) Set the initial setting value of <3. VER. HEIGHT >. (8) Adjust <3. VER. HEIGHT > to make the vertical screen size be 92% of the picture size.
H. POSITION	Signal generator Remote control unit		[3. DEF] 2. HOR. POSITION	 (1) Receive a circle pattern signal. (2) Select 3. DEF from the SERVICE MENU. (3) Select < 2. HOR. POSITION >. (4) Set the initial setting value of < 2. HOR. POSITION >. (5) Adjust <2.HOR. POSITION> to be equal the width of (A) and (B) as shown in Fig.2.
	(A) -	Fig.2		
V.LINEARITY / V.S-CURVE	Signal generator Remote control unit		[3. DEF] 4. VER. LIN. 5. VER. SCURVE	If the vertical linearity is noticeably deteriorated, perform the following steps. (1) Receive a crosshatch signal. (2) Select 3. DEF from the SERVICE MENU. (3) Select < 4. VER. LIN. >.
Top Centre Bottom Fig.3			 (4) Set the initial setting value of < 4. VER. LIN. >. (5) Select < 5. VER. SCURVE >. (6) Set the initial setting value of < 5. VER. SCURVE >. (7) Adjust < 4. VER. LIN. > and < 5. VER. SCURVE > so that the space of upper and lower lines as shown in Fig.3 on TOP, CENTRE and BOTTOM become uniform. 	

4.8.5 VIDEO CIRCUIT

The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values. Do not change the initial setting values of the setting items not listed in "ADJUSTMENT PROCEDURE".

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (LOW LIGHT) KEY CUTOFF (H.LINE GUTOFF) (H.LINE R. CUTOFF) R. CUTOFF	OFF	OF REMOTE CON 2 3 5 6 9 G B	[2.V/C] 1. CUT OFF (R) 1. CUT OFF (G) 1. CUT OFF (B) SCREEN VR [IN HVT] TROL UNIT — G.CUTOFF(♠) — B. CUTOFF(♠) — G.CUTOFF(♥) — G.CUTOFF(♥)	 (1) Receive a black and white signal (colour off). (2) Select 2. V/C from the SERVICE MENU. (3) Select < 1. CUT OFF >. (4) Set the initial setting value of < 1. CUT OFF >. (5) Press the [1] key to show the single horizontal line on screen. (6) Turn the SCREEN VR fully counter-clockwise, then slowly turn it clockwise to where one of a red, blue or green colour is faintly visible. (7) Adjust the two colors which did not appear until the single horizontal line that is displayed becomes white using the [4] to [9] keys. (8) Turn the SCREEN VR to where the single horizontal line glows faintly. (9) Press the [2] key to turn off the single horizontal line. (10) Press the [DISPLAY] key twice to return to the normal screen.
WHITE BALANCE (HIGH LIGHT)	Remote control unit Control Con		[2.V/C] 2. DRIVE (R) 2. DRIVE (B)	 (1) Receive a black and white signal (colour off). (2) Select 2. V/C from the SERVICE MENU. (3) Select < 2. DRIVE >. (4) Set the initial setting value of < 2. DRIVE >. (5) Adjust the screen until it becomes white using the [4], [6], [7] and [9] keys.
R. DRI			TROL UNIT — B. DRIVE(▲) — B. DRIVE(▼)	(6) Press the [DISPLAY] key twice to return to the nomal screen.
SUB BRIGHT	Remote control unit		[2. V/C] 3. BRIGHT	 (1) Receive any broadcast. (2) Select 2. V/C from the SERVICE MENU. (3) Select < 3. BRIGHT >. (4) Set the initial setting value of < 3. BRIGHT >. (5) If the brightness is not the best with the initial setting value, make fine adjustment until you get the best brightness.
SUB CONTRAST	Remote control unit		[2. V/C] 4. CONT.	 (1) Receive any broadcast. (2) Select 2. V/C from the SERVICE MENU. (3) Select < 4. CONT >. (4) Set the initial setting value of < 4. CONT >. (5) If the contrast is not the best with the initial setting value, make fine adjustment until you get the best contrast.

Item	Measuring instrument	Test point	Adjustment part	Description
SUB COLOUR	Remote control unit		[2. V/C] 5. COLOUR (PAL / SECAM / NTSC)	[Method of adjustment without measuring instrument] PAL COLOUR (1) Receive a PAL broadcast. (2) Select 2. V/C from the SERVICE MENU. (3) Select < 5. COLOUR >. (4) Set the initial setting value of < 5. COLOUR >. (5) If the colour is not the best with the initial setting value, make fine adjustment until you get the best colour.
				SECAM COLOUR (1) Receive a SECAM broadcast. (2) Make fine adjustment of SECAM COLOUR as previously.
				NTSC 3.58 COLOUR (1) Receive a NTSC 3.58MHz broadcast. (2) Make similar fine adjustment of NTSC 3.58 COLOUR as previously.
				NTSC 4.43 COLOUR (1) When NTSC 3.58 adjustment completed, NTSC 4.43 will be automatically set at the respective values.
	Signal	TP-47G/R	[2. V/C]	[Method of adjustment using measuring instrument]
	generator	TP-E [CRT SOCKET	5. COLOUR (PAL / SECAM / NTSC)	PAL COLOUR
	Oscilloscope		(I AL/ SECAWI/ NTSC)	(1) Receive a PAL full field colour bar signal (75% white).
	Remote control unit			(2) Select 2. V/C from the SERVICE MENU. (3) Select < 5. COLOUR >. (4) Set the initial setting value of < 5. COLOUR >.



MODEL	Voltage setting (A)				
MODEL	PAL	SECAM	NTSC3.58	NTSC4.43	
AV-2106CE	+11V	+0V	+6V		
AV-21F16	+12V	+3V	+6V (VIDEO)		
AV-21FMG6/G AV-21FMG6B/G	+12V	+3V	+8V (RF)		

- (4) Set the initial setting value of < 5. COLOUR >.
- (5) Connect the oscilloscope between TP-47G/R and TP-E.
- (6) Adjust PAL COLOUR to bring the value of **(A)** in the voltage table.

SECAM COLOUR

- (1) Receive a SECAM full field colour bar signal (75% white).
- (2) Set the initial setting value of SECAM COLOUR.
- (3) Adjust SECAM COLOUR to bring the value of **(A)** in the voltage table.

NTSC 3.58 COLOUR

- (1) Receive a NTSC 3.58 full field colour bar signal (75% white).
- (2) Set the initial setting value of NTSC 3.58 COLOUR.
- (3) Adjust NTSC 3.58 COLOUR to bring the value of **(A)** in the voltage table.

NTSC 4.43 COLOUR

(1) When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.

Iten	n Measuring instrument		Adjustment part	Description
SUB TINT	Signal generator Remote control unit		[2. V/C] 6. TINT	[Method of adjustment without measuring instrument] NTSC 3.58 TINT (1) Receive a NTSC 3.58 full field colour bar signal (75% white). (2) Select 2. V/C from the SERVICE MENU. (3) Select < 6. TINT >. (4) Set the initial setting value of < 6. TINT >. (5) If you cannot get the best tint with the initial setting value, make fine adjustment until you get the best tint. NTSC 4.43 TINT (1) When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.
	Signal generator Oscilloscope Remote control unit	TP-47G/R TP-E [CRT SOCKET PWB]	[2. V/C] 6. TINT	automatically set at the respective values. [Method of adjustment using measuring instrument] NTSC 3.58 TINT (1) Receive a NTSC 3.58 full field colour bar signal (75% white). (2) Select 2. V/C from the SERVICE MENU. (3) Select < 6. TINT >. (4) Set the initial setting value of < 6. TINT >.
	W	1 1	-) +) +)	 (5) Connect the oscilloscope between TP-47G/R and TP-E. (6) Adjust NTSC 3.58 TINT to bring the value of (B) in the voltage table in the left. NTSC 4.43 TINT (1) When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.
	AV-2106CE AV-21F16 AV-21FMG6/G AV-21FMG6B/G	Voltage setting (B) NTSC3.58	3	
SECAM E OFFSET	Remote control unit KEY ASSIGNMENT COLOUR ON COLOUR OFF	OF REMOTE CONTR	[2. V/C] 7. SECAM BL ADJUST	 (1) Input a SECAM full field colour bar signal. (2) Select 2. V/C from the SERVICE MENU. (3) Select < 7. SECAM BL ADJUST >. (4) Set the initial setting value of < 7. SECAM BL ADJUST >. (5) Switch the [1] key (colour OFF) and [2] key (colour ON) and make sure that there is no colour on the black and white screen. (6) If the black and white screen is not best with the initial setting value, make fine adjustment until you get the best black and white screen. (7) While watching the screen, adjust the value to be the

4.8.6 VSM PRESET SETTING

Item	Measuring instrument	Test point	Adjustment part	Description
VSM PRESET	Remote control unit		[4. VSM PRESET] TINT COLOUR BRIGHT CONT. SHARP	 (1) Select 4. VSM PRESET from the SERVICE MENU. (2) Set the PICTURE MODE to BRIGHT. (3) Select < TINT >. (4) Set the initial setting value of < TINT > as shown in the below table. (5) Select < COLOUR > to < SHARP > in turn, and set the values.
	BR CO	LOUR ** IGHT ** NT. ** ARP **	СІТ	(6) Respectively select the "SOFT" and "STANDARD". Make similar adjustment as same step as above.

[4.VSM PRESET] [AV-2106CE]

Setting	Setting Variable		Initial setting value			
item	range	BRIGHT	STANDARD	SOFT		
TINT	0 - 30	15	15	15		
COLOUR	0 - 30	15	15	15		
BRIGHT	0 - 30	15	15	15		
CONT.	0 - 30	30	15	11		
SHARP	0 - 30	15	15	12		

[4.VSM PRESET] [AV-21F16, AV-21FMG6/G, AV-21FMG6B/G]

Setting	Variable	Initial setting value			
item	range	BRIGHT	STAN- DARD	SOFT	
TINT	0 - 30	15	15	15	
COLOUR	0 - 30	15	15	15	
BRIGHT	0 - 30	15	15	15	
CONT.	0 - 30	30	18	14	
SHARP	0 - 30	20	15	12	

SECTION 5 TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.





Victor Company of Japan, Limited CRT Display Category 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

JVC

SCHEMATIC DIAGRAMS

COLOUR TELEVISION

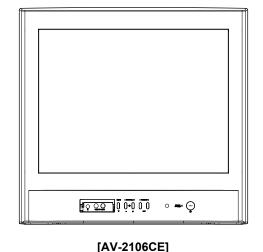
AV-2106CE, AV-21F16, AV-21FMG6B/G

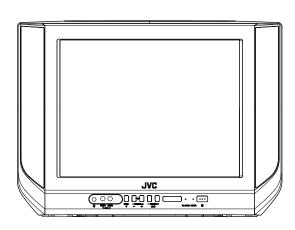
CD-ROM No.SML200604

BASIC CHASSIS

CG4







[AV-21F16, AV-21FMG6/G, AV-21FMG6B/G]

AV-2106CE, AV-21F16, AV-21FMG6/G, AV-21FMG6B/G STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the △ symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal : Colour bar signal

(2) Setting positions of each knob/button and

variable resistor : Original setting position when shipped

(3)Internal resistance of tester : DC $20k\Omega/V$

(4)Oscilloscope sweeping time $: H \rightarrow 20\mu s / div$

 $V \Rightarrow 5 ms / div$

: Othters ⇒ Sweeping time is specified

(5) Voltage values : All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

• In the PW board : R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM (1)Resistors

Resistance value

 $\begin{array}{lll} \text{No unit} & : [\Omega] \\ \text{K} & : [k\Omega] \\ \text{M} & : [\text{M}\Omega] \end{array}$

Rated allowable power

No indication : 1/16 [W]
Others : As specified

Type

No indication : Carbon resistor
OMR : Oxide metal film resistor
MFR : Metal film resistor
MPR : Metal plate resistor
UNFR : Uninflammable resistor
FR : Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

Capacitance value

 $\begin{array}{ll} \text{1 or higher} & : [pF] \\ \text{less than 1} & : [\mu F] \end{array}$

Withstand voltage

No indication : DC50[V]

Others : DC withstand voltage [V]
AC indicated : AC withstand voltage [V]

* Electrolytic Capacitors

47/50[Example]: Capacitance value [µF]/withstand voltage[V]

Type

No indication : Ceramic capacitor

MM : Metalized mylar capacitor

PP : Polypropylene capacitor

MPP : Metalized polypropylene capacitor

MF : Metalized film capacitor
TF : Thin film capacitor

BP : Bipolar electrolytic capacitor TAN : Tantalum capacitor

(3)Coils

No unit : [µH]
Others : As specified

(4)Power Supply



*Respective voltage values are indicated

(5)Test point



(6)Connecting method



(7)Ground symbol

」: ISOLATED(NEUTRAL) side ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (\bot) side GND and the ISOLATED(NEUTRAL) : (\bot) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

NOTE

Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.

When ordering parts, please use the numbers that appear in the Parts List.

CONTENTS

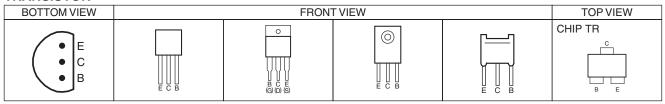
SEMICONDUCTOR SHAPES	2-2
BLOCK DIAGRAM	
CIRCUIT DIAGRAMS	2-5
MAIN PWB CIRCUIT DIAGRAM [AV-2106CE] (1/3)	
MAIN PWB CIRCUIT DIAGRAM [AV-2106CE] (2/3)(3/3)	2-7
MAIN PWB CIRCUIT DIAGRAM [AV-21F16] (1/3)	2-9
MAIN PWB CIRCUIT DIAGRAM [AV-21F16] (2/3)(3/3)	
MAIN PWB CIRCUIT DIAGRAM [AV-21FMG6/G, AV-21FMG6B/G] (1/3)	2-13
MAIN PWB CIRCUIT DIAGRAM [AV-21FMG6/G, AV-21FMG6B/G] (2/3)(3/3)	2-15
PATTERN DIAGRAMS	
MAIN PWB PATTERN [AV-2106CE]	2-17
MAIN PWB PATTERN [AV-21FMG6B/G, AV-21FMG6/G, AV-21F16]	2-19
VOLTAGE CHARTS	
WAVEFORMS	2-22

USING P.W. BOARD

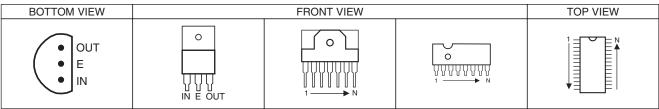
PWB ASS'Y name	AV-2106CE	AV-21F16	AV-21FMG6/G	AV-21FMG6B/G
MAIN P.W.BOARD	SCG-1517A-H2	SCG-1541A-H2	SCG-1542A-H2	SCG-1543A-H2

SEMICONDUCTOR SHAPES

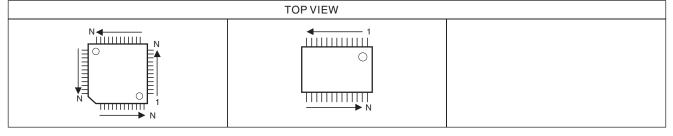
TRANSISTOR



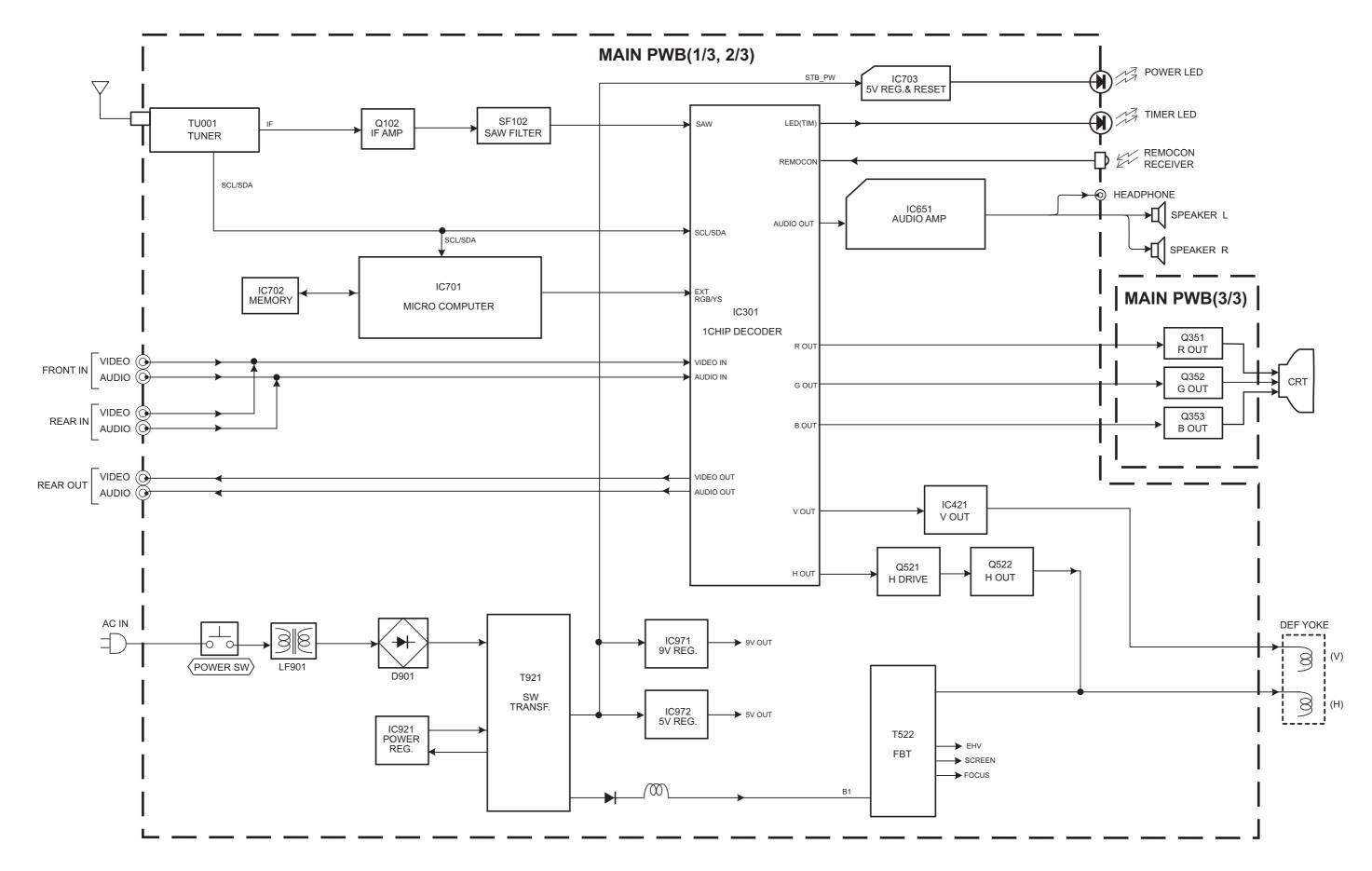




CHIP IC

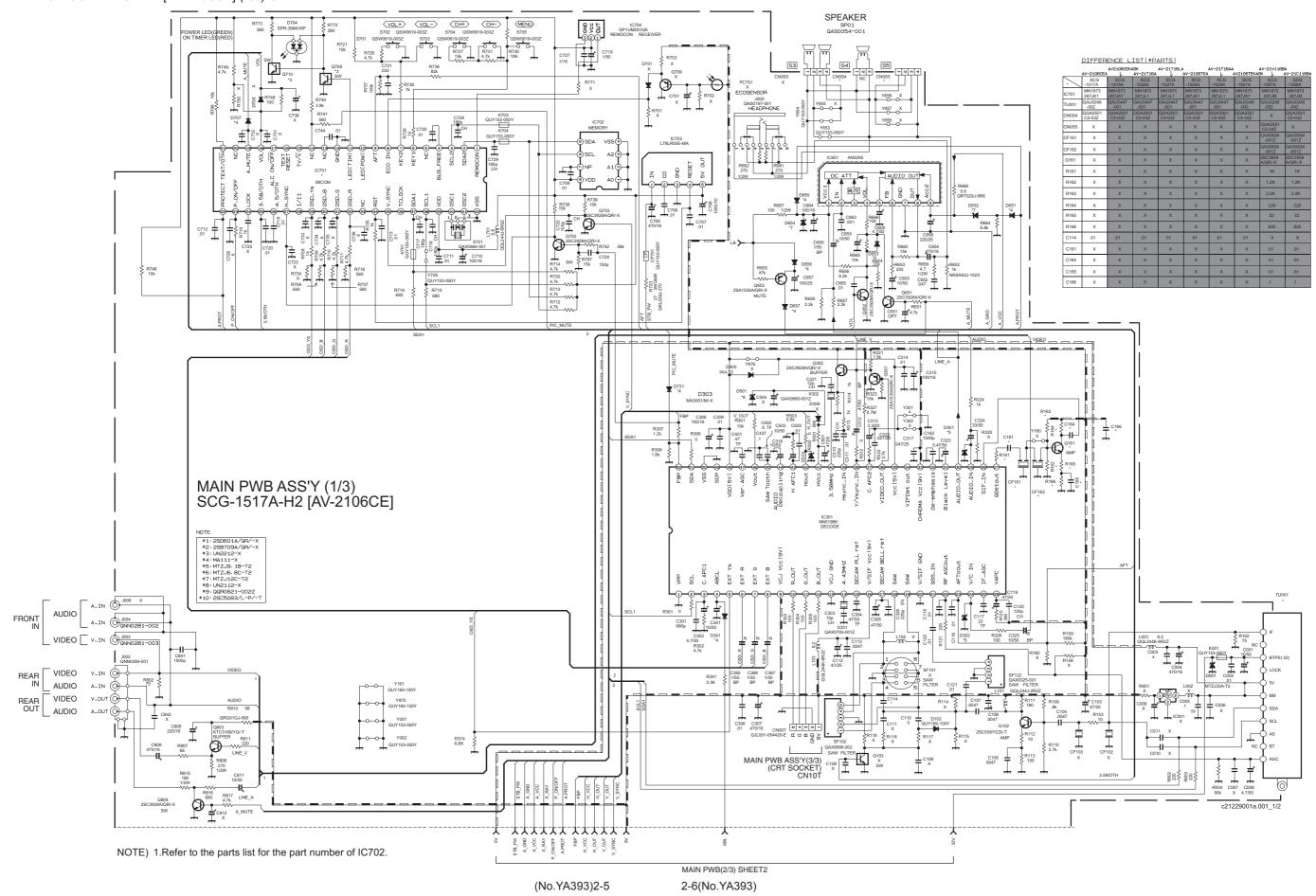


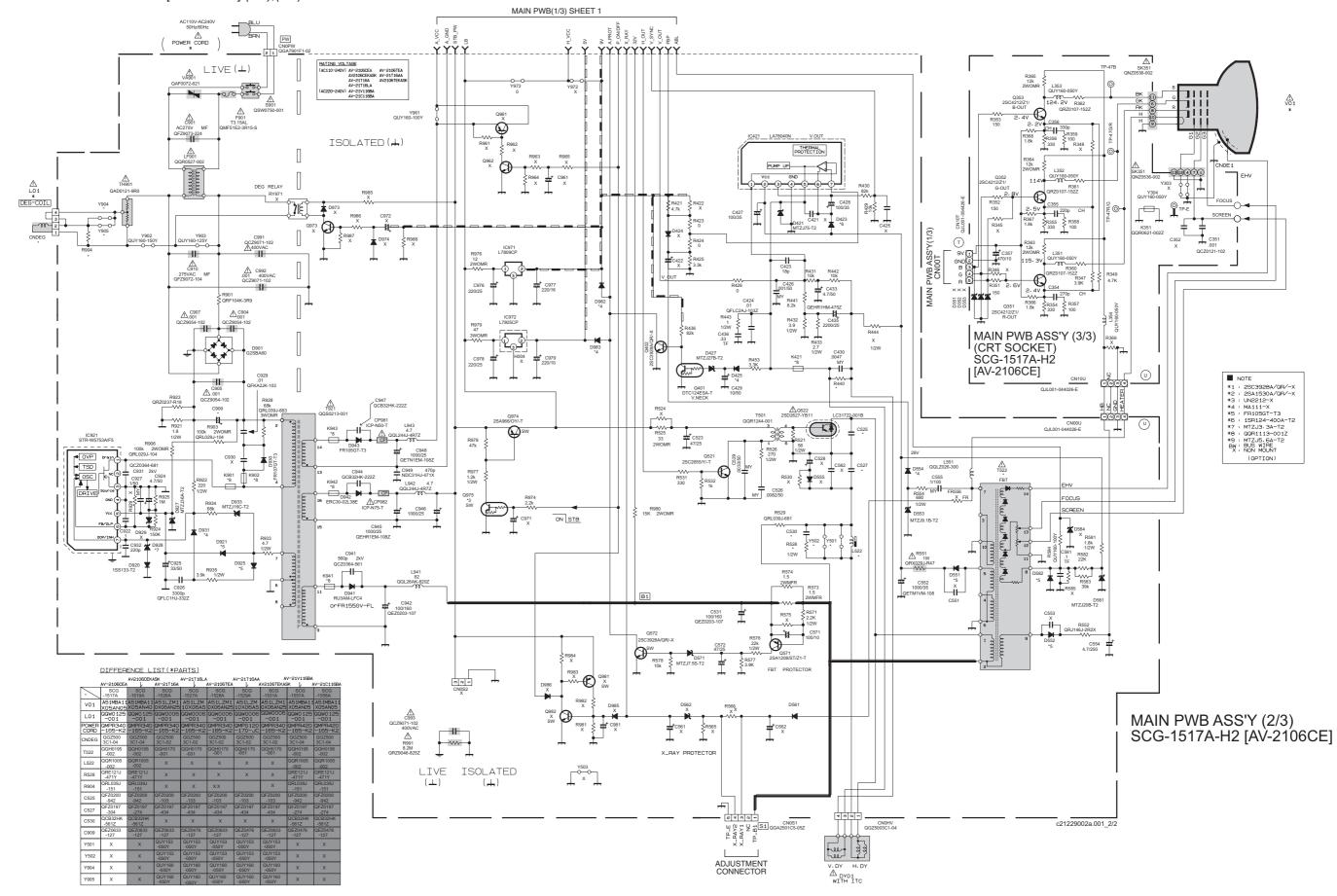
BLOCK DIAGRAM

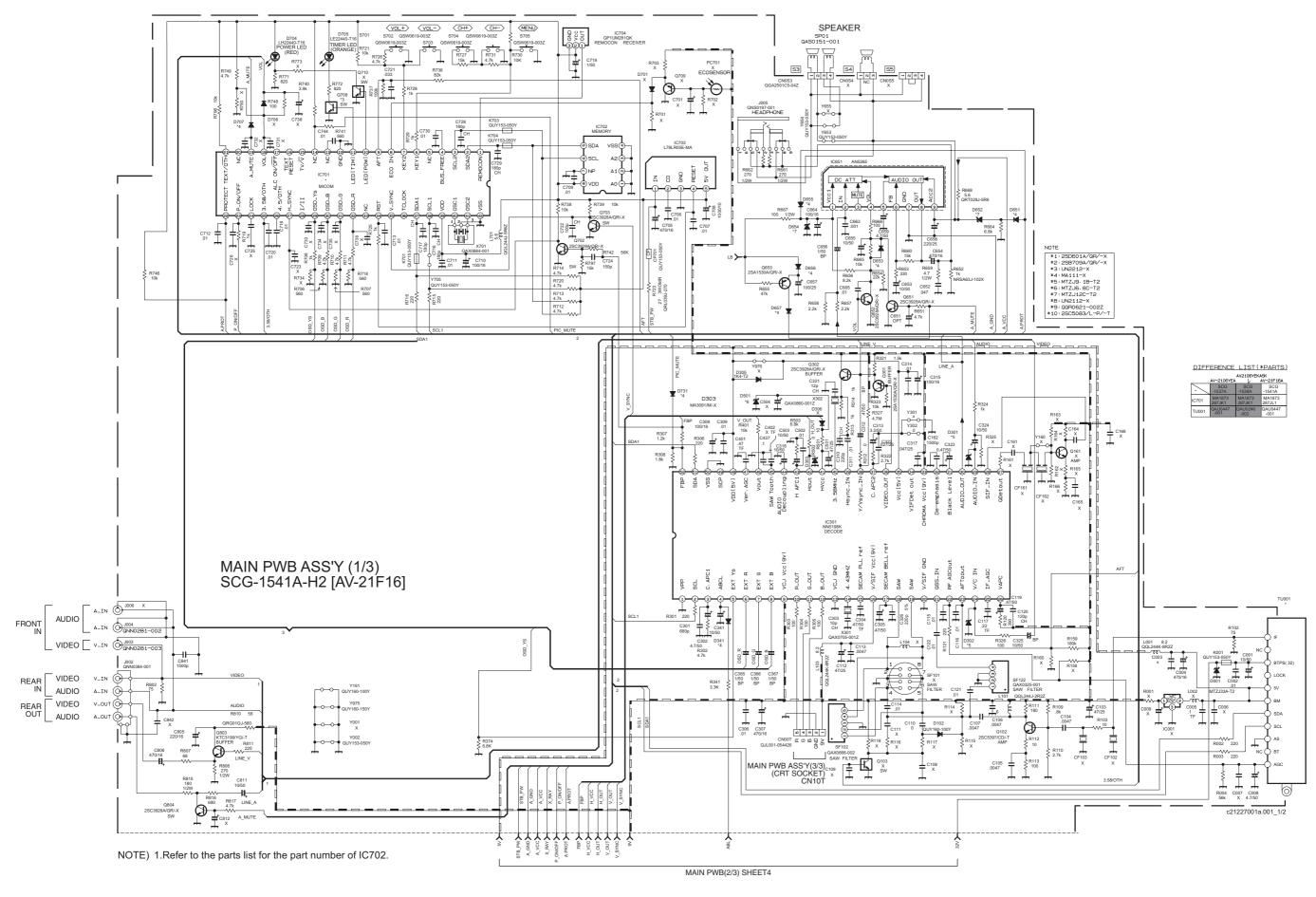


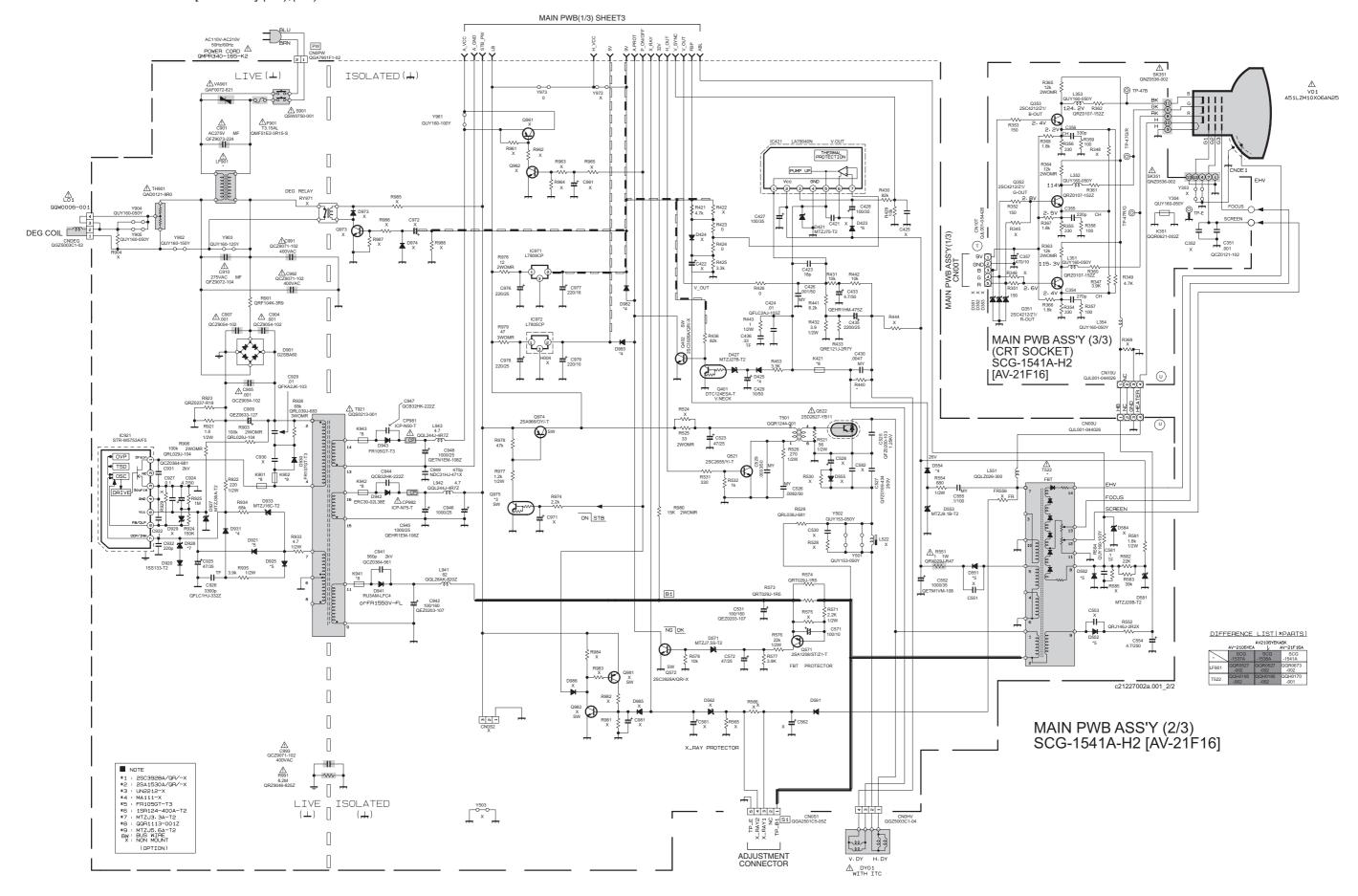
CIRCUIT DIAGRAMS

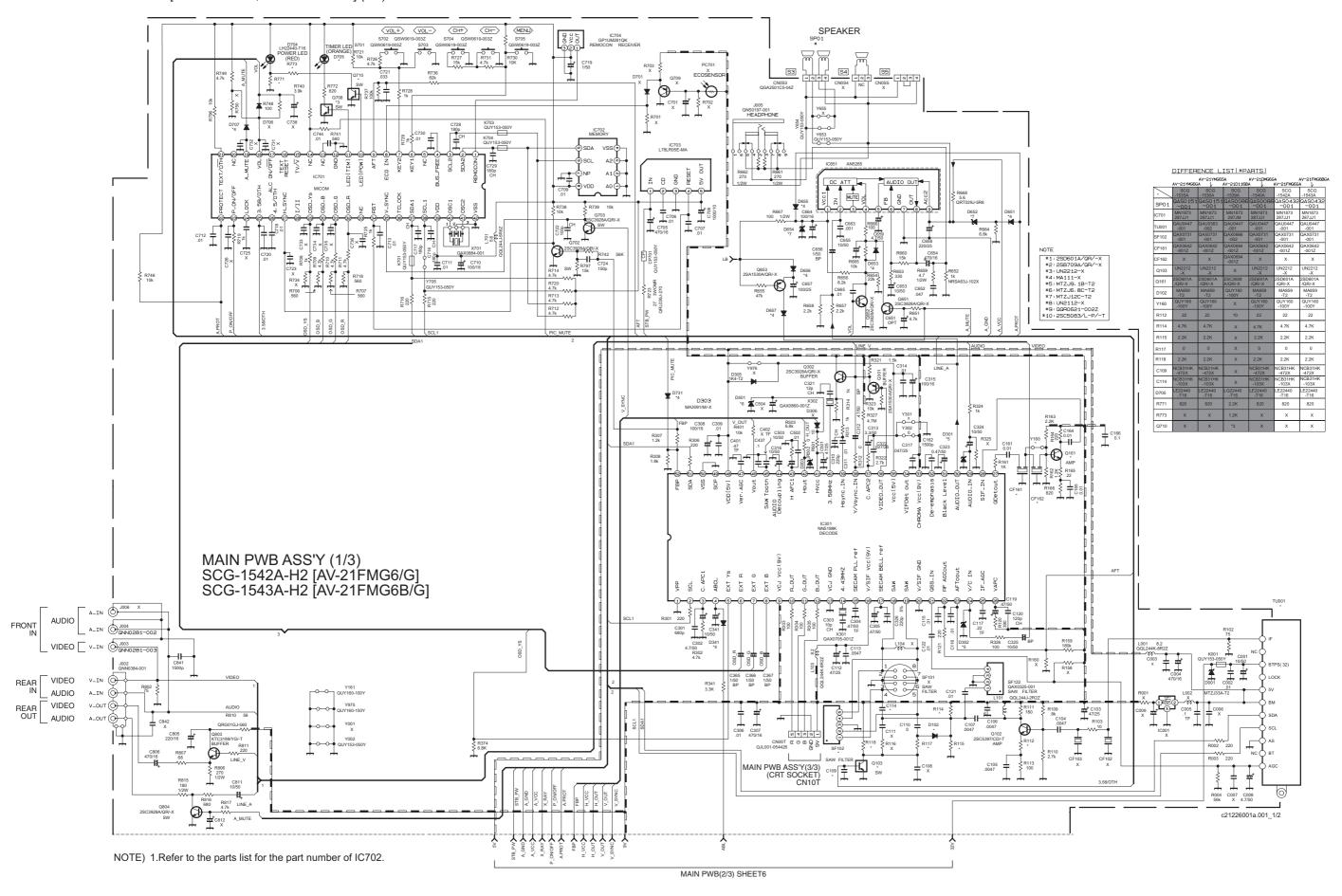
MAIN PWB CIRCUIT DIAGRAM [AV-2106CE] (1/3) SHEET1

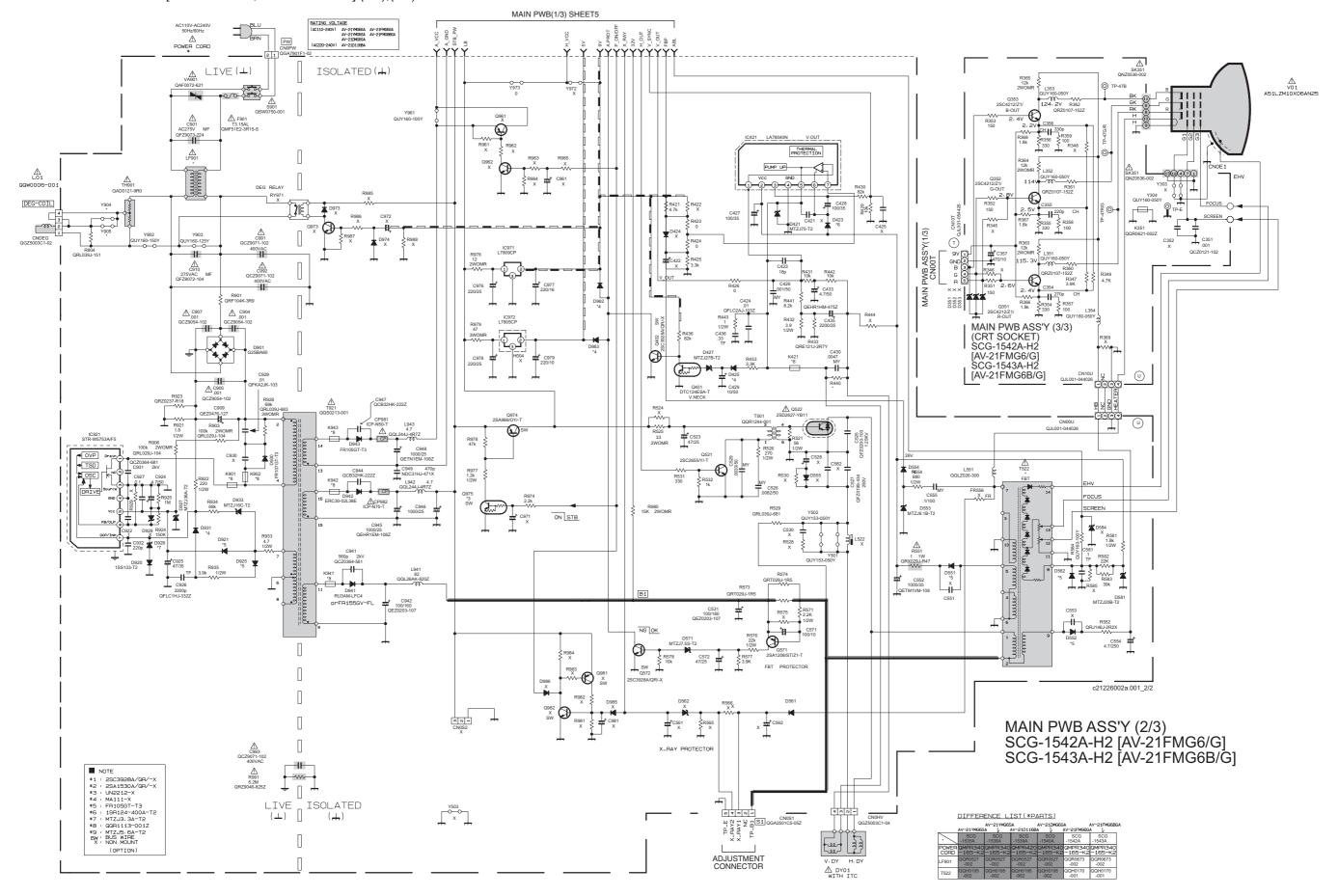




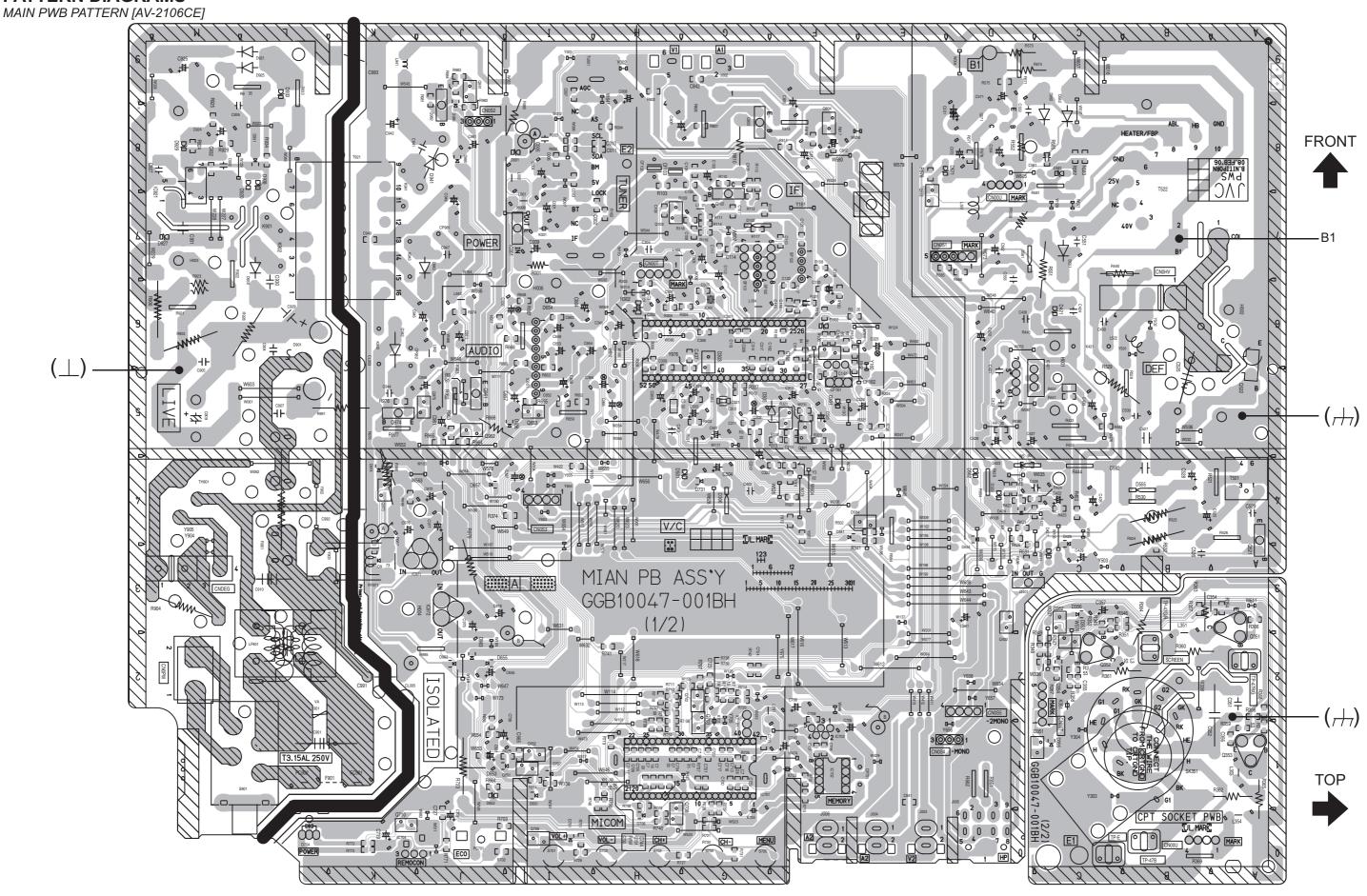


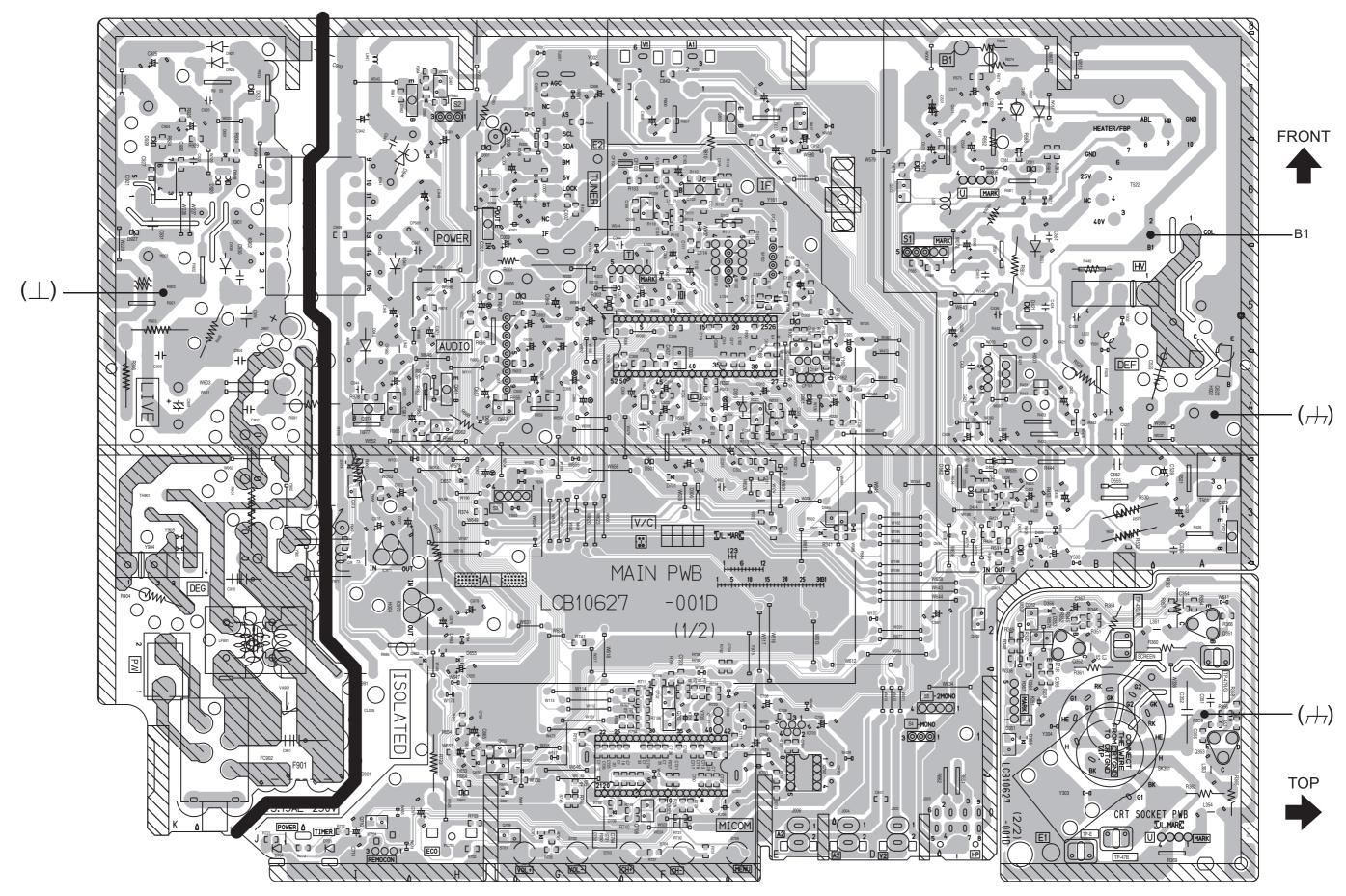






PATTERN DIAGRAMS





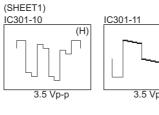
VOLTAGE CHARTS

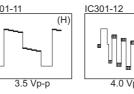
MAIN P	DC (V)	MODE	DC (V)	MODE DC	(V
IN NO.	23 (V)	PIN NO.		PIN NO.	(4)
C301	\vdash	26	0	Q651	_
2	4.4	27	4.1	C	0
3	6.3	29	4.9	В	0.3
4	3.4	30	0	Q652	_
5	0	31	0	E	0
6	5.0	32	0	С	1.0
7	5.0	33	0	В	0.6
8	5.5	34	4.9	Q653	
9	9.0	35	4.7		5.1
10	3.0	36	4.9	С	0
11	3.0	37	4.4		5.2
12	3.0	38	4.4	Q702 E	0
14	2.8	40	4.9		4.2
15	4.2	41	2.1	В	0
16	9.0	42	0	Q703	_
17	3.8	IC702		E	0
18	2.8	1	0		4.8
19	2.8	2	0		0.1
20	0	3	0	Q708	
21	0	4	0	E	0
22	0	5	4.9		2.0
23	4.4	6	4.9	В	C
24	3.2	7	0	Q710	_
25	3.0	8	4.9	E	0
26 27	3.5 4.2	IC703	14.4	B	0.1
28	3.7	2	5.8	Q803	
29	4.1	3	0	E	0
30	3.9	4	4.9		8.1
31	4.2	5	4.9		4.7
32	4.2	IC704	Ĺ	Q804	_
33	9.0	1	4.5	E	0
34	4.0	2	4.9	С	0
35	4.7	3	0		0.1
36	4.0	IC921		Q974	
37	6.1	1	314.0		5.3
38	4.2	2	NC		5.1
39	4.3	3	0	В	0
40 41	2.7	5	31.8	Q975 E	_
42	6.2 1.0	6	0		0.1
43	3.7	7	0.7		4.3
44	3.9	IC971		TU001	
45	1.2	1	12.8	1 .	4.6
46	3.1	2	9.0	2	NC
47	5.4	3	0	3	0
48	5.0	IC972			4.4
49	0.7	1	9.2	5	0
50	0	2	4.9		4.5
51	4.4	3	0		4.9
52 3421	0.7	Q102 E	0	9 3	1.3
1	3.7	C	9.0		NC
2	26.0	В	2.3	11	0
3	2.0	Q103	2.0		_
4	0	E	0		
5	13.8	С	0		
6	26.3	В	4.0		
7	3.7	Q161			
2651		E	2.5		
1	12.5	С	8.3		
2	5.6	B	3.2		
3	0	Q301	4.0		
5	9.4	C	4.6		
6	9.6	В	4.0		
7	0	Q302	1.0		
8	9.7	E	4.0		
9	19.9	С	9.0		
C701		В	4.6		
1	4.5	Q401			
2	4.9	E	0		
3	0	С	0		
4	0	B 0403	5.4		
5	4.0	Q402	_		
7	4.9	C	4 9		
8	4.9 2.3	В	4.9		
	3.0	Q521	<u> </u>		
9	-	E	0		
9	4.91		9.7		
10	4.9	С			
10 11	0	С	_		
10 11 12	0	C B	0.3		
10 11	0 0 2.4	С	_		
10 11 12 13	0	C B Q522	0.3		
10 11 12 13 14	0 0 2.4 0.1	C B Q522 E	0.3		
10 11 12 13 14 15	0 0 2.4 0.1 1.8	C B Q522 E C	0.3 0 115.3		
10 11 12 13 14 15 16	0 0 2.4 0.1 1.8 1.8	C B Q522 E C	0.3 0 115.3		
10 11 12 13 14 15 16 17	0 2.4 0.1 1.8 1.8	C B Q522 E C B Q571 E	0.3 0 115.3 0 115.5		
0 1 2 3 4 5 6 7 8	0 0 2.4 0.1 1.8 1.8 0 0.8 0	C B Q522 E C B Q571 E C B	0.3 0 115.3 0		
10 11 12 13 14 15 16 17 18 19 20	0 0 2.4 0.1 1.8 1.8 0 0.8 0 4.9	C B Q522 E C B Q571 E C B	0.3 0 115.3 0 115.5 0 115.1		
10 11 12 13 14 15 16 17 18 19 20 21	0 0 2.4 0.1 1.8 1.8 0 0.8 0 4.9 4.9	C B Q522 E C B Q571 E C B Q572 E	0.3 0 115.3 0 115.5 0 115.1		
10 11 12 13 14 15 16 17 18 19 20 21	0 0 2.4 0.1 1.8 1.8 0 0.8 0 4.9	C B Q522 E C B Q571 E C B	0.3 0 115.3 0 115.5 0 115.1		

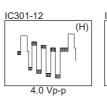
<crt sc<="" th=""><th>CKET</th><th>PWB></th></crt>	CKET	PWB>
MODE PIN NO.	DC (V)	
Q351		
E	2.5	
С	125.8	
В	3.2	
Q352		
E	2.6	
С	123.3	
В	3.3	
Q353		
E	2.5	
С	128.5	
В	3.2	

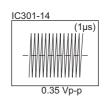
WAVEFORMS

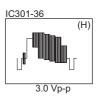
-MAIN PWB-

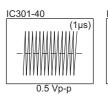


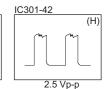


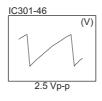


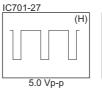


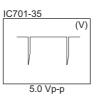


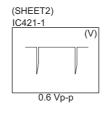


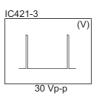


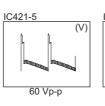


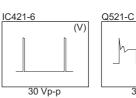


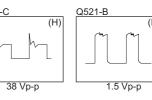


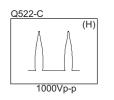


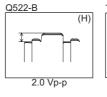






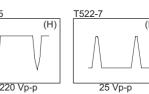


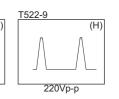




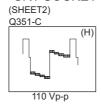


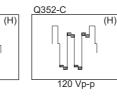


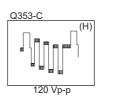




-CRT SOCKET PWB-











Victor Company of Japan, Limited CRT Display Category 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

PARTS LIST

CAUTION

- The parts identified by the △ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

	RESISTORS		CAPACITORS
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

	RESISTORS											
F	F G J K M N R H Z P											
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%			

CONTENTS

USING P.W. BOARD & REMOTE CONTROL UNIT	3-3
EXPLODED VIEW PARTS LIST -1 [AV-2106CE]	3-3
EXPLODED VIEW -1 [AV-2106CE]	3-4
EXPLODED VIEW PARTS LIST -2 [AV-21F16, AV-21FMG6/G, AV-21FMG6B/G]	
EXPLODED VIEW -2 [AV-21F16, AV-21FMG6/G, AV-21FMG6B/G]	
PRINTED WIRING BOARD PARTS LIST [AV-2106CE]	3-7
MAIN P.W. BOARD ASS'Y (SCG-1517A-H2)	3-7
PRINTED WIRING BOARD PARTS LIST [AV-21F16]	3-10
MAIN P.W. BOARD ASS'Y (SCG-1541A-H2)	3-10
PRINTED WIRING BOARD PARTS LIST [AV-21FMG6/G]	3-13
MAIN P.W. BOARD ASS'Y (SCG-1542A-H2)	3-13
PRINTED WIRING BOARD PARTS LIST [AV-21FMG6B/G]	3-16
MAIN P.W. BOARD ASS'Y (SCG-1543A-H2)	3-16
REMOTE CONTROL UNIT PARTS LIST (RM-C360GY-1H)	3-19
PACKING [AV-2106CE]	3-19
PACKING PARTS LIST [AV-2106CE]	3-19
PACKING [AV-21F16, AV-21FMG6/G, AV-21FMG6B/G]	
PACKING PARTS LIST IAV-21F16 AV-21FMG6/G AV-21FMG6B/G1	

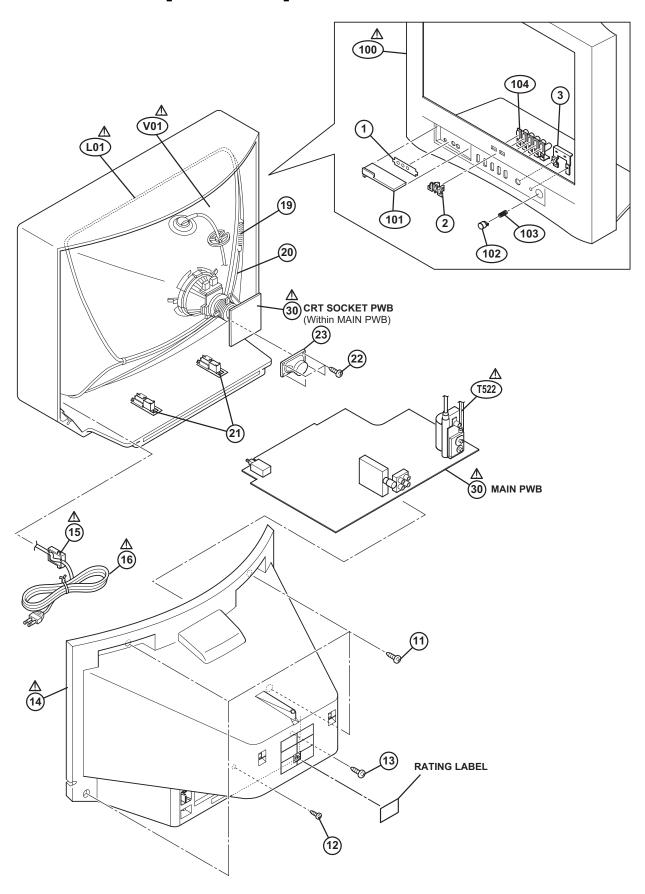
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y	AV-2106CE	AV-21F16	AV-21FMG6/G	AV-21FMG6B/G
MAIN P.W.B	SCG-1517A-H2	SCG-1541A-H2	SCG-1542A-H2	SCG-1543A-H2
REMOTE CONTROL UNIT	RM-C360GY-1H	←	←	←

EXPLODED VIEW PARTS LIST -1 [AV-2106CE]

\triangle	Ref.No.	Part No.	Part Name	Description	Local
<u>^</u>	V01 L01 T522	A51MBA11X05AN05 QQW0125-001 QQH0195-002	PICTURE TUBE(ITC) DEG COIL FB TRANSF	Inc.DEF YOKE, PC MAGNET	
<u>^</u>	1 2 3 11 12 13 14 15 16 19 20 21 22 23	GG30079-003A-H GG40040-001A-H GG30076-001A-H QYSBSFG4016ZA QYSBSF3010ZA QYSBSF4012ZA GG10265-007A-H CM47005-A01-H QMPR340-165-K2 A48457-3-H WJY0008-006A-E CM36623-003-H QYSBSF4012ZA QAS0054-001	AV SHEET JVC MARK LED LENS TAP SCREW TAP SCREW TAP SCREW REAR COVER POWER CORD CLAMP POWER CORD SPRING BRAIDED ASS'Y CHASSIS RAIL TAP SCREW SPEAKER	M4 x 16mm(x4) M3 x 10mm M4 x 12mm 1.65m BLACK (x2) M4 x 12mm(x4) SP01	
⚠	30	SCG-1517A-H2	MAIN PWB		
⚠	100 101 102 103 104	GG10263-011A-H GG20053-001B-H GG30077-001B-H CM35235-006-H GG20052-001A-H	FRONT CABINET ASS'Y DOOR POWER KNOB SPRING CONTROL KNOB	Inc.101,102,103,104	

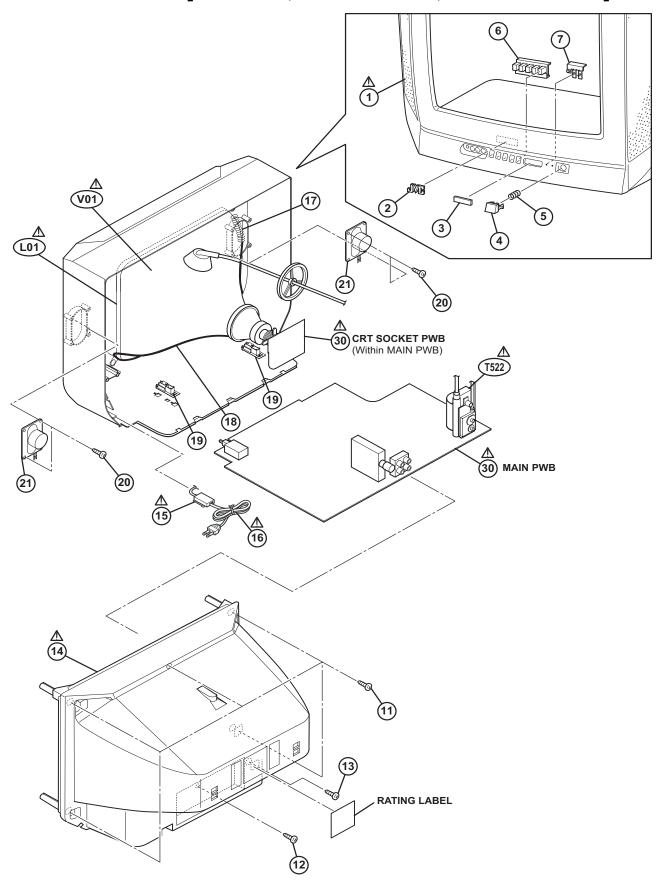
EXPLODED VIEW -1 [AV-2106CE]



EXPLODED VIEW PARTS LIST -2 [AV-21F16, AV-21FMG6/G, AV-21FMG6B/G]

⚠	Ref.No.	Part No.	Part Name	Description	Local
<u>^</u> <u>^</u> <u>^</u>	V01 L01 T522	A51LZM10X06AN25 QQW0006-001 QQH0170-001	PICTURE TUBE(ITC) DEG COIL FB TRANSF	Inc.DEF YOKE, PC MA	AGNET
<u>^</u>	1 1 2 3	LC10394-045A-H LC10394-046A-H CM48006-007-C LC30617-001C-H	FRONT CABINET FRONT CABINET JVC MARK E.E.WINDOW		AV-21F16,AV-21FMG6G AV-21FMG6BG
	4	LC30616-004A-H LC30616-001B-H CM35235-006-H	POWER KNOB POWER KNOB SPRING		AV-21F16,AV-21FMG6G AV-21FMG6BG
	4 5 6 6 7	LC20292-004A-H LC20292-001A-H LC30618-001B-H	CONTROL KNOB CONTROL KNOB LED LENS		AV-21F16,AV-21FMG6G AV-21FMG6BG
<u>^</u>	11 12 13 14 15	QYSBSFG4016ZA QYSBSF3010ZA QYSBSBG4016ZA QYSBSBG4016ZA LC10448-015B-H CM47005-A01-H	TAP SCREW TAP SCREW TAP SCREW TAP SCREW REAR COVER POWER CORD CLAMP	M4 x 16mm(x5) M3 x 10mm M4 x 16mm	
Δ	16 17 18	QMPR340-165-K2 A48457-3-H WJY0008-006A-E	POWER CORD SPRING BRAIDED ASS'Y	1.65m BLACK	
	19 20 21 21	CM36623-003-H QYSBSF4012ZA QAS0151-001 QAS0432-001	CHASSIS RAIL TAP SCREW SPEAKER SPEAKER	(x2) M4 x 12mm(x4) (x2)SP01, SP02 (x2)SP01, SP02	AV-21F16,AV-21FMG6BG AV-21FMG6G
<u>^</u> <u>^</u> <u>^</u>	30 30 30	SCG-1541A-H2 SCG-1542A-H2 SCG-1543A-H2	MAIN PWB MAIN PWB MAIN PWB		AV-21F16 AV-21FMG6G AV-21FMG6BG

EXPLODED VIEW -2 [AV-21F16, AV-21FMG6/G, AV-21FMG6B/G]



PRINTED WIRING BOARD PARTS LIST [AV-2106CE]

MAIN	P.W. BOARD A	SS'Y (SCG-151	7A-H2)	⚠Ref No.	Part No.	Part Name	Description Local
⚠Ref No.	Part No.	Part Name	Description Local	C004	QETN1CM-477Z	E CAPACITOR	470uF 16V M
-				C005	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J
IC301	NN5198K	IC		C008	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
IC421 IC651	LA78040N AN5265	IC IC		C103 C104	QETN1EM-476Z NCB31HK-472X	E CAPACITOR C CAPACITOR	47uF 25V M 4700pF 50V K
IC701	MN1873287JK1	IC(MCU)		C105	NCB31HK-472X	C CAPACITOR	4700pF 50V K
IC702	ATE08-21YMG6	IC	(SERVICE)	C106	NCB31HK-472X	C CAPACITOR	4700pF 50V K
IC703 IC704	L78LR05E-MA GP1UM281QK	IC IR DETECT UNIT	38kHz	C107 C110	NCB31HK-472X NRSA63J-0R0X	C CAPACITOR MG RESISTOR	4700pF 50V K 0Ω 1/16W J
IC921	STR-W5753A/F5	IC	OOM IL	C112	QETN1EM-476Z	E CAPACITOR	47uF 25V M
IC971	L7809CP	IC IC		C113	NCB31HK-472X	C CAPACITOR	4700pF 50V K
IC972	L7805CP	IC		C114 C115	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K
Q102	2SC5397/CD/-T	TRANSISTOR		C116	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q301 Q302	2SA1530A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		C117 C119	QFVF1HJ-224Z QETN1HM-474Z	MF CAPACITOR E CAPACITOR	0.22uF 50V J 0.47uF 50V M
Q302 Q351	2SC4212/Z1/	TRANSISTOR		C120	NDC31HJ-121X	C CAPACITOR	120pF 50V J
Q352	2SC4212/Z1/	TRANSISTOR		C121	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q353 Q401	2SC4212/Z1/ DTC124ESA-T	TRANSISTOR DIGI TRANSISTOR		C122 C162	NCB31HK-103X NCB31HK-152X	C CAPACITOR C CAPACITOR	0.01uF 50V K 1500pF 50V K
Q402	2SC3928A/QR/-X	TRANSISTOR		C301	NCB31HK-681X	C CAPACITOR	680pF 50V K
Q521	2SC2655/Y/-T	TRANSISTOR		C302	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
∆ Q522 Q571	2SD2627-YB11 2SA1208/ST/Z1-T	POW TRANSISTOR TRANSISTOR		C303 C304	NDC31HJ-100X QFVF1HJ-474Z	C CAPACITOR MF CAPACITOR	10pF 50V J 0.47uF 50V J
Q572	2SC3928A/QR/-X	TRANSISTOR		C305	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M
Q651	2SC3928A/QR/-X	TRANSISTOR		C306	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q652 Q653	2SC3928A/QR/-X 2SA1530A/QR/-X	TRANSISTOR TRANSISTOR		C307 C308	QETN1CM-477Z QETN1CM-107Z	E CAPACITOR E CAPACITOR	470uF 16V M 100uF 16V M
Q702	2SC3928A/QR/-X	TRANSISTOR		C309	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q703	2SC3928A/QR/-X UN2212-X	TRANSISTOR		C310	NDC31HJ-221X	C CAPACITOR	220pF 50V J 0.01uF 50V K
Q708 Q710	UN2212-X UN2212-X	DIGI TRANSISTOR DIGI TRANSISTOR		C311 C312	NCB31HK-103X QENC1HM-474Z	C CAPACITOR BP E CAPACITOR	0.47uF 50V K
Q803	KTC3199/YG/-T	TRANSISTOR		C313	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M
Q804 Q974	2SC3928A/QR/-X	TRANSISTOR		C314 C315	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q974 Q975	2SA966/OY/-T UN2212-X	TRANSISTOR DIGI TRANSISTOR		C316	QETN1CM-107Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	100uF 16V M 10uF 50V M
				C317	NCB31EK-473X	C CAPACITOR	0.047uF 25V K
D001 D301	MTZJ33A-T2 MTZJ9.1B-T2	Z DIODE Z DIODE		C321 C322	NDC31HJ-120X NCB31EK-273X	C CAPACITOR C CAPACITOR	12pF 50V J 0.027uF 25V K
D301	MTZJ9.1B-T2	Z DIODE		C323	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M
D303	MA3091/M/-X	Z DIODE		C324	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D305 D306	1K4-T2 QRE121J-561Y	SB DIODE C RESISTOR	560Ω 1/2W J	C325 C326	QENC1HM-106Z NCS21HJ-221X	BP E CAPACITOR C CAPACITOR	10uF 50V M 220pF 50V J
D306	or QRE122J-561	C RESISTOR	560Ω 1/2W J	C341	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D306	or QRG01GJ-561	OMF RESISTOR	560Ω 1W J	C351	QCZ0121-102	C CAPACITOR	1000pF 3KV Z
D341 D421	MA111-X MTZJ75-T2	SI DIODE Z DIODE		C354 C355	NDC31HJ-271X NDC31HJ-221X	C CAPACITOR C CAPACITOR	270pF 50V J 220pF 50V J
D423	1SR124-400A-T2	SI DIODE		C356	NDC31HJ-331X	C CAPACITOR	330pF 50V J
D425 D427	MA111-X MTZJ27B-T2	SI DIODE Z DIODE		C357 C365	QETN1AM-477Z QENC1HM-105Z	E CAPACITOR BP E CAPACITOR	470uF 10V M 1uF 50V M
D501	MTZJ6.8C-T2	Z DIODE Z DIODE		C366	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
D551	FR105GT-T3	SI DIODE		C367	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
D552 D553	FR105GT-T3 MTZJ9.1B-T2	SI DIODE Z DIODE		C401 C423	QFVF1HJ-474Z QCS32HJ-180Z	MF CAPACITOR C CAPACITOR	0.47uF 50V J 18pF 500V J
D554	MA111-X	SI DIODE		C424	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J
D571	MTZJ7.5S-T2	Z DIODE		C426	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J
D581 D582	MTZJ20B-T2 FR105GT-T3	Z DIODE SI DIODE		C427 C428	QETN1VM-107Z QETN1VM-107Z	E CAPACITOR E CAPACITOR	100uF 35V M 100uF 35V M
D651	MA111-X	SI DIODE		C429	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D652 D653	MTZJ12C-T2 MA111-X	Z DIODE SI DIODE		C430 C433	QFN32AJ-472Z QEHR1HM-475Z	M CAPACITOR E CAPACITOR	4700pF 100V J 4.7uF 50V M
D654	MTZJ12C-T2	Z DIODE		C435	QETM1EM-228	E CAPACITOR	2200uF 25V M
D655	MA111-X	SI DIODE		C436	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J
D656 D657	MA111-X MA111-X	SI DIODE SI DIODE		C437 C501	NCB31HK-104X QETN1EM-476Z	C CAPACITOR E CAPACITOR	0.1uF 50V K 47uF 25V M
D704	SPR-39MVWF	LED	POWER,ON TIMER(RED-GREEN)	C502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D707	MA111-X	SI DIODE		C503	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D731 D920	MA111-X 1SS133-T2	SI DIODE SI DIODE		C523 C525	QETN1EM-476Z QFZ0200-942	E CAPACITOR MPP CAPACITOR	47uF 25V M 9400pF 1.5kV H
D921	FR105GT-T3	SI DIODE		C526	QFLC1HJ-822Z	M CAPACITOR	8200pF 50V J
D925 D927	FR105GT-T3	SI DIODE Z DIODE		C527	QFZ0197-304	MPP CAPACITOR	0.3uF 250V J
D927 D928	MTZJ36A-T2 MTZJ3.3A-T2	Z DIODE Z DIODE		C529 C530	QFLC1HJ-332Z QCB32HK-561Z	M CAPACITOR C CAPACITOR	3300pF 50V J 560pF 500V K
D930	FR107GT-T3	SI DIODE		C531	QEZ0203-107	E CAPACITOR	100uF 160V M
D931	MA111-X	SI DIODE		C552	QETM1VM-108	E CAPACITOR	1000uF 35V M
D933 D941	MTZJ16C-T2 RU3AM-LFC4	Z DIODE SI DIODE		C554 C555	QETN2EM-475Z QFLC2AJ-104Z	E CAPACITOR M CAPACITOR	4.7uF 250V M 0.1uF 100V J
D942	ERC30-02L38E	SI DIODE		C571	QETN1AM-107Z	E CAPACITOR	100uF 10V M
D943	FR105GT-T3	SI DIODE		C572	QETN1EM-476Z	E CAPACITOR	47uF 25V M
D982 D983	MA111-X MA111-X	SI DIODE SI DIODE		C581 C652	QFVF1HJ-104Z NCB31HK-473X	MF CAPACITOR C CAPACITOR	0.1uF 50V J 0.047uF 50V K
			/A = =0:::	C653	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C001 C002	QETN1HM-106Z NCB31HK-103X	E CAPACITOR C CAPACITOR	10uF 50V M 0.01uF 50V K	C654 C655	QETN1CM-477Z	E CAPACITOR E CAPACITOR	470uF 16V M
0002	140P9 H II/- 109V	OUALACTION	U.UTUI JUV K	C033	QETN1HM-106Z	LUAFAUITUR	10uF 50V M

Ref No.	Part No.	Part Name	Description Local	ÆRef No.	Part No.	Part Name	Description Local
C656 C657	QENC1HM-105Z	BP E CAPACITOR E CAPACITOR	1uF 50V M	R321 R322	NRSA63J-152X NRSA63J-272X	MG RESISTOR MG RESISTOR	1.5kΩ 1/16W J
C658	QETN1EM-107Z QETN1EM-227Z	E CAPACITOR	100uF 25V M 220uF 25V M	R323	NRSA63J-103X	MG RESISTOR	2.7kΩ 1/16W J 10kΩ 1/16W J
C659	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R324	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C663	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R326	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C664	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R327	NRSA63J-475X	MG RESISTOR	4.7MΩ 1/16W J
C665	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R341	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C705	QETN1CM-477Z	E CAPACITOR	470uF 16V M	R347	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
C706	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R349	NRSA63J-472X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J
C707	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R351	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C708	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	R352	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C709	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R353	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C710	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R354	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C711	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R355	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R356	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C713	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R357	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C716 C717	NDC31HJ-181X	C CAPACITOR	180pF 50V J	R358 R359	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J
C718	NDC31HJ-181X NCB31HK-103X	C CAPACITOR C CAPACITOR	180pF 50V J 0.01uF 50V K	R360	QRZ0107-152Z	C RESISTOR	100Ω 1/16W J 1.5kΩ 1/2W K
C719	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R361	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
C720	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R362	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
C721	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	R363	QRL029J-123	OMF RESISTOR	12kΩ 2W J
C722	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R364	QRL029J-123	OMF RESISTOR	12kΩ 2W J
C724	NDC31HJ-560X	C CAPACITOR	56pF 50V J	R365	QRL029J-123	OMF RESISTOR	12kΩ 2W J
C727	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R366	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C728	NDC31HJ-181X	C CAPACITOR	180pF 50V J	R367	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C729	NDC31HJ-181X	C CAPACITOR	180pF 50V J	R368	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C730	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R374	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C744	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R401	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
C805	QETN1CM-227Z	E CAPACITOR	220uF 16V M	R421	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C806	QETN1CM-477Z	E CAPACITOR	470uF 16V M	R423	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C811	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R424	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C841 ΔC901	NCB31HK-152X	C CAPACITOR MM CAPACITOR	1500pF 50V K	R425	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
 ∆C904	QFZ9073-224 QCZ9054-102	C CAPACITOR	0.22uF AC250V M 1000pF AC250V Z	R426 R429	NRSA63J-0R0X NRSA63J-103X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 10kΩ 1/16W J
∆C905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R430	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
∆C907	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R431	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
C909	QEZ0633-127	E CAPACITOR	120uF 450V M	R432	QRE121J-3R9Y	C RESISTOR	3.9Ω 1/2W J
C910	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	R433	QRE121J-2R7Y	C RESISTOR	2.7Ω 1/2W J
C922	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	R436	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C924	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R440	QRE121J-471Y	C RESISTOR	470Ω 1/2W J
C925	QETN1VM-476Z	E CAPACITOR	47uF 35V M	R441	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
C926	QFLC1HJ-332Z	M CAPACITOR	3300pF 50V J	R442	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C927	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	R443	QRE121J-1R0Y	C RESISTOR	1Ω 1/2W J
C929	QFKA2JK-103	MM CAPACITOR	0.01uF 630V K	R453	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C931	QCZ0364-681	C CAPACITOR	680pF 2kV K	R502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C932	NDC31HJ-221X	C CAPACITOR	220pF 50V J	R503	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C941	QCZ0364-561	C CAPACITOR	560pF 2kV K	R521	QRE121J-560Y	C RESISTOR	56Ω 1/2W J
C942	QEZ0203-107	E CAPACITOR	100uF 160V M	R525	QRL029J-330	OMF RESISTOR	33Ω 2W J
C944	QCB32HK-222Z	C CAPACITOR	2200pF 500V K	R526	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
C945	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M	R528	QRE121J-471Y	C RESISTOR	470Ω 1/2W J
C946	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R529	QRL039J-681	OMF RESISTOR	680Ω 3W J
C947	QCB32HK-222Z	C CAPACITOR	2200pF 500V K	R531	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C948	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R532	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C949	NDC31HJ-471X	C CAPACITOR	470pF 50V J	∆ R551	QRX029J-R47	MF RESISTOR	0.47Ω 2W J
C976	QETN1EM-227Z	E CAPACITOR	220uF 25V M	R552	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
C977	QETN1CM-227Z	E CAPACITOR	220uF 16V M	R554	QRE121J-681Y	C RESISTOR	680Ω 1/2W J
C978	QETN1EM-227Z	E CAPACITOR	220uF 25V M	R571	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
C979	QETN1AM-227Z	E CAPACITOR	220uF 10V M	R573	QRT029J-1R5	MF RESISTOR	1.5Ω 2W J
∆ C991	QCZ9071-102	C CAPACITOR	1000pF AC400V M	R574	QRT029J-1R5	MF RESISTOR	1.5Ω 2W J
∆C992	QCZ9071-102	C CAPACITOR	1000pF AC400V M	R576	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
∆C993	QCZ9071-102	C CAPACITOR	1000pF AC400V M	R577	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
			•	R578	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R002	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R581	QRE121J-182Y	C RESISTOR	1.8kΩ 1/2W J
R003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R582	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R004	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R583	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R102	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R651	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R103	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R652	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R109	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R653	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R110	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R654	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R111	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R655	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R112	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R656	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R657	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R120	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R658	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R121	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R659	QRE121J-4R7Y	C RESISTOR	4.7Ω 1/2W J
R159	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	R660	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R301	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R661	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
R302	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R662	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
R303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R664	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R665	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R306	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R667	QRE121J-101Y	C RESISTOR	100Ω 1/2W J
R307	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	R668	QRT029J-5R6	MF RESISTOR	5.6Ω 2W J
R308	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R706	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R312	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R707	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R313	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R708	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R314	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R709	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J

ΔRef No.	Part No.	Part Name	Description Local	ΔRef No.	Part No.	Part Name	Description Local
R710 R711 R712 R713 R714 R715 R716 R718 R719 R720 R721 R723 R725 R726 R727 R728 R729 R730 R731 R736 R737 R738 R740 R741 R742 R740 R741 R742 R748 R749 R771 R772 R773 R796 R740 R741 R742 R748 R749 R771 R772 R773 R796 R791 R802 R806 R807 R810 R811 R815 R816 R817 R802 R806 R807 R810 R811 R815 R816 R817 R901 R811 R815 R816 R817 R901 R802 R806 R807 R810 R811 R815 R816 R817 R901 R815 R816 R817 R901 R803 R904 R906 R921 R922 R923 R924 R925 R928 R933 R934 R935 R974 R976 R977 R978 R979 R8900 \$\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textst	NRSA63J-472X NRSA63J-472X NRSA63J-472X NRSA63J-472X NRSA63J-472X NRSA63J-472X NRSA63J-221X NRSA63J-221X NRSA63J-102X NRSA63J-103X NRSA6	MG RESISTOR OMF RESISTOR C RESISTOR	4.7kΩ 1/16W J 220Ω 1/16W J 220Ω 1/16W J 220Ω 1/16W J 560Ω 1/16W J 16Ω 1/16W J 17Ω 1/16W J	K942 K943 ALF901 S701 S702 S703 S704 S705 AS901 SF102 SF122 ASK351 ATH901 TU001 X301 X302 X701	QQR1113-001Z QQR1113-001Z QQR0527-002 QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0750-001 QAX0666-002 QAX0325-001 QNZ0536-002 QAD0121-9R0 QAU0246-002 QAF0072-621 QAX0860-001Z QAX0884-001 LC30349-001A-H	FERRITE BEADS FERRITE BEADS FERRITE BEADS LINE FILTER PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH SAW FILTER SAW FILTER CRT SOCKET P THERMISTOR TUNER VARISTOR CRYSTAL C RESONATOR LED HOLDER	VOL+ VOL- CH- MENU POWER 9Ω 620V 4.433619MHz 3.579545MHz 12.000MHz
L001 L101 L103 L522 L551 L701 L941 L942 L943 T501 ▲T921	QQL244K-8R2Z QQL244J-2R2Z QQL244K-8R2Z QQR1005-002 QQLZ026-300 QQL244J-5R6Z QQL26AK-820Z QQL244J-4R7Z QQL244J-4R7Z QQR1244-001 QQS0213-001	PEAKING COIL PEAKING COIL PEAKING COIL LINEARITY COIL COIL COIL CHOKE COIL PEAKING COIL PEAKING COIL DRIVE TRANSF SW TRANSF	8.2uH K 2.2uH J 8.2uH K 30uH ±7% 5.6uH J 82uH K 4.7uH J 4.7uH J				
⚠CP981 ⚠CP982 ⚠F901 J002 J003 J004 J005 K351 K421 K901 K902 K941	ICP-N50-T ICP-N75-T QMF51E2-3R15-S QNN0384-001 QNN0281-003 QNN0281-002 QNS0197-001 QQR0621-002Z QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR1113-001Z	IC PROTECTOR IC PROTECTOR FUSE PIN JACK PIN JACK PIN JACK 3.5 JACK FERRITE BEADS	2.0A 2.7A 3.15A AC250V VIDEO AUDIO INOUT(REAR) VIDEO IN(FRONT) AUDIO IN(FRONT) HEADPHONE				

PRINTED WIRING BOARD PARTS LIST [AV-21F16] MAIN PW BOARD ASS'Y (SCG-1541A-H2) ARef No. Part No. Part

MAIN	AIN P.W. BOARD ASS'Y (SCG-1541A-H2)		ÆRef No.	Part No.	Part Name	Description Local	
⚠Ref No.	Part No.	Part Name	Description Local		OFT.14014 4777	E OADAOITOD	470 5 40)/14
				C004	QETN1CM-477Z	E CAPACITOR	470uF 16V M 0.1uF 50V J
IC301	NN5198K	IC		C005 C008	QFVF1HJ-104Z QETN1HM-475Z	MF CAPACITOR E CAPACITOR	4.7uF 50V J
IC421	LA78040N	iC		C103	QETN1FM-476Z	E CAPACITOR	47uF 25V M
IC651	AN5265	IC		C104	NCB31HK-472X	C CAPACITOR	4700pF 50V K
IC701	MN1873287JL1	IC		C105	NCB31HK-472X	C CAPACITOR	4700pF 50V K
IC702	ATE08-21YMG6	IC	(SREVICE)	C106	NCB31HK-472X	C CAPACITOR	4700pF 50V K
IC703 IC704	L78LR05E-MA	IC IR DETECT UNIT	38kHz	C107	NCB31HK-472X	C CAPACITOR	4700pF 50V K
IC704	GP1UM281QK STR-W5753A/F5	IC IC ONIT	JOKEZ	C110 C112	NRSA63J-0R0X QETN1EM-476Z	MG RESISTOR E CAPACITOR	0Ω 1/16W J 47uF 25V M
IC971	L7809CP	iC		C112	NCB31HK-472X	C CAPACITOR	4700pF 50V K
IC972	L7805CP	iC		C114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
				C115	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q102	2SC5397/CD/-T	TRANSISTOR		C116	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q301 Q302	2SA1530A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		C117 C119	QFVF1HJ-224Z QETN1HM-474Z	MF CAPACITOR E CAPACITOR	0.22uF 50V J 0.47uF 50V M
Q302 Q351	2SC4212/Z1/	TRANSISTOR		C120	NDC31HJ-121X	C CAPACITOR	120pF 50V J
Q352	2SC4212/Z1/	TRANSISTOR		C121	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q353	2SC4212/Z1/	TRANSISTOR		C122	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q401	DTC124ESA-T	DIGI TRANSISTOR		C162	NCB31HK-152X	C CAPACITOR	1500pF 50V K
Q402 Q521	2SC3928A/QR/-X 2SC2655/Y/-T	TRANSISTOR TRANSISTOR		C301	NCB31HK-681X	C CAPACITOR	680pF 50V K
	2SD2627-YB11	POW TRANSISTOR		C302 C303	QETN1HM-475Z NDC31HJ-100X	E CAPACITOR C CAPACITOR	4.7uF 50V M 10pF 50V J
Q571	2SA1208/ST/Z1-T	TRANSISTOR		C304	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J
Q572	2SC3928A/QR/-X	TRANSISTOR		C305	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M
Q651	2SC3928A/QR/-X	TRANSISTOR		C306	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q652	2SC3928A/QR/-X	TRANSISTOR		C307	QETN1CM-477Z	E CAPACITOR	470uF 16V M
Q653 Q702	2SA1530A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		C308 C309	QETN1CM-107Z NCB31HK-103X	E CAPACITOR C CAPACITOR	100uF 16V M 0.01uF 50V K
Q702 Q703	2SC3928A/QR/-X	TRANSISTOR		C310	NDC31HJ-221X	C CAPACITOR C CAPACITOR	220pF 50V J
Q708	UN2212-X	DIGI TRANSISTOR		C311	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q803	KTC3199/YG/-T	TRANSISTOR		C312	QENC1HM-474Z	BP E CAPACITOR	0.47uF 50V M
Q804	2SC3928A/QR/-X	TRANSISTOR		C313	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M
Q974	2SA966/OY/-T	TRANSISTOR		C314	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q975	UN2212-X	DIGI TRANSISTOR		C315 C316	QETN1CM-107Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	100uF 16V M 10uF 50V M
D001	MTZJ33A-T2	Z DIODE		C317	NCB31EK-473X	C CAPACITOR	0.047uF 25V K
D301	MTZJ9.1B-T2	Z DIODE		C321	NDC31HJ-120X	C CAPACITOR	12pF 50V J
D302	MTZJ9.1B-T2	Z DIODE		C322	NCB31EK-273X	C CAPACITOR	0.027uF 25V K
D303	MA3091/M/-X	Z DIODE		C323	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M
D305 D306	1K4-T2 QRE121J-561Y	SB DIODE C RESISTOR	560Ω 1/2W J	C324 C325	QETN1HM-106Z QENC1HM-106Z	E CAPACITOR BP E CAPACITOR	10uF 50V M 10uF 50V M
D306	or QRE122J-561	C RESISTOR	560Ω 1/2W J	C326	NCS21HJ-221X	C CAPACITOR	220pF 50V J
D306	or QRG01GJ-561	OMF RESISTOR	560Ω 1W J	C341	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D341	MA111-X	SI DIODE		C351	QCZ0121-102	C CAPACITOR	1000pF 3KV Z
D421	MTZJ75-T2	Z DIODE		C354	NDC31HJ-271X	C CAPACITOR	270pF 50V J
D423 D425	1SR124-400A-T2 MA111-X	SI DIODE SI DIODE		C355 C356	NDC31HJ-221X NDC31HJ-331X	C CAPACITOR C CAPACITOR	220pF 50V J 330pF 50V J
D423	MTZJ27B-T2	Z DIODE		C357	QETN1AM-477Z	E CAPACITOR E CAPACITOR	470uF 10V M
D501	MTZJ6.8C-T2	Z DIODE		C365	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
D551	FR105GT-T3	SI DIODE		C366	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
D552	FR105GT-T3	SI DIODE		C367	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
D553 D554	MTZJ9.1B-T2 MA111-X	Z DIODE SI DIODE		C401	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J
D554 D571	MTZJ7.5S-T2	Z DIODE		C423 C424	QCS32HJ-180Z QFLC2AJ-103Z	C CAPACITOR M CAPACITOR	18pF 500V J 0.01uF 100V J
D581	MTZJ20B-T2	Z DIODE		C426	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J
D582	FR105GT-T3	SI DIODE		C427	QETN1VM-107Z	E CAPACITOR	100uF 35V M
D651	MA111-X	SI DIODE		C428	QETN1VM-107Z	E CAPACITOR	100uF 35V M
D652 D653	MTZJ12C-T2 MA111-X	Z DIODE SI DIODE		C429	QETN1HM-106Z	E CAPACITOR M CAPACITOR	10uF 50V M
D653	MTZJ12C-T2	Z DIODE		C430 C433	QFN32AJ-472Z QEHR1HM-475Z	E CAPACITOR	4700pF 100V J 4.7uF 50V M
D655	MA111-X	SI DIODE		C435	QETM1EM-228	E CAPACITOR	2200uF 25V M
D656	MA111-X	SI DIODE		C436	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J
D657	MA111-X	SI DIODE		C437	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
D704	LH22440-T16 LE22440-T16	LED LED	POWER(RED)	C501	QETN1EM-476Z	E CAPACITOR C CAPACITOR	47uF 25V M
D705 D707	MA111-X	SI DIODE	ON TIMER(ORG)	C502 C503	NCB31HK-103X QETN1HM-106Z	E CAPACITOR	0.01uF 50V K 10uF 50V M
D731	MA111-X	SI DIODE		C523	QETN1EM-476Z	E CAPACITOR	47uF 25V M
D920	1SS133-T2	SI DIODE		C525	QFZ0200-103	MPP CAPACITOR	0.01uF 1.5kV H
D921	FR105GT-T3	SI DIODE		C526	QFLC1HJ-822Z	M CAPACITOR	8200pF 50V J
D925	FR105GT-T3	SI DIODE		C527	QFZ0197-564	MPP CAPACITOR	0.56uF 250V J
D927 D928	MTZJ36A-T2 MTZJ3.3A-T2	Z DIODE Z DIODE		C529 C531	QFLC1HJ-332Z	M CAPACITOR E CAPACITOR	3300pF 50V J
D920 D930	FR107GT-T3	SI DIODE		C552	QEZ0203-107 QETM1VM-108	E CAPACITOR E CAPACITOR	100uF 160V M 1000uF 35V M
D931	MA111-X	SI DIODE		C554	QETN2EM-475Z	E CAPACITOR	4.7uF 250V M
D933	MTZJ16C-T2	Z DIODE		C555	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J
D941	RU3AM-LFC4	SI DIODE		C571	QETN1AM-107Z	E CAPACITOR	100uF 10V M
D942	ERC30-02L38E	SI DIODE		C572	QETN1EM-476Z	E CAPACITOR	47uF 25V M
D943	FR105GT-T3	SI DIODE		C581	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J
D982 D983	MA111-X MA111-X	SI DIODE SI DIODE		C652 C653	NCB31HK-473X QETN1HM-106Z	C CAPACITOR E CAPACITOR	0.047uF 50V K 10uF 50V M
D300	WILLIAM	JI DIODE		C654	QETN1CM-477Z	E CAPACITOR E CAPACITOR	470uF 16V M
C001	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C655	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C656	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M

Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
C657 C658	QETN1EM-107Z QETN1EM-227Z	E CAPACITOR E CAPACITOR	100uF 25V M 220uF 25V M	R323 R324	NRSA63J-103X NRSA63J-102X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 1kΩ 1/16W J
C659	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R326	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C663 C664	NCB31HK-102X QETN1CM-107Z	C CAPACITOR E CAPACITOR	1000pF 50V K 100uF 16V M	R327 R341	NRSA63J-475X NRSA63J-332X	MG RESISTOR MG RESISTOR	4.7MΩ 1/16W J 3.3kΩ 1/16W J
C665	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R347	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
C705 C706	QETN1CM-477Z NCB31HK-104X	E CAPACITOR C CAPACITOR	470uF 16V M 0.1uF 50V K	R349 R351	NRSA63J-472X NRSA63J-151X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 150Ω 1/16W J
C707	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R352	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C708 C709	QETN1AM-108Z NCB31HK-103X	E CAPACITOR C CAPACITOR	1000uF 10V M 0.01uF 50V K	R353 R354	NRSA63J-151X NRSA63J-331X	MG RESISTOR MG RESISTOR	150Ω 1/16W J 330Ω 1/16W J
C710	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R355	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C711 C712	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	R356 R357	NRSA63J-331X NRSA63J-101X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 100Ω 1/16W J
C713	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R358	NRSA63J-101X NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C716 C717	NDC31HJ-181X NDC31HJ-181X	C CAPACITOR C CAPACITOR	180pF 50V J 180pF 50V J	R359 R360	QRZ0107-152Z	MG RESISTOR C RESISTOR	100Ω 1/16W J 1.5kΩ 1/2W K
C718	NCB31HK-103X	C CAPACITOR E CAPACITOR	0.01uF 50V K 1uF 50V M	R361 R362	QRZ0107-152Z QRZ0107-152Z	C RESISTOR C RESISTOR C RESISTOR	1.5kΩ 1/2W K 1.5kΩ 1/2W K
C719 C720	QETN1HM-105Z NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R363	QRL029J-123	OMF RESISTOR	12kΩ 2W J
C721 C722	NCB31EK-333X NDC31HJ-101X	C CAPACITOR	0.033uF 25V K	R364 R365	QRL029J-123	OMF RESISTOR	12kΩ 2W J
C724	NDC31HJ-560X	C CAPACITOR C CAPACITOR	100pF 50V J 56pF 50V J	R366	QRL029J-123 NRSA63J-182X	OMF RESISTOR MG RESISTOR	12kΩ 2W J 1.8kΩ 1/16W J
C728 C729	NDC31HJ-181X NDC31HJ-181X	C CAPACITOR C CAPACITOR	180pF 50V J 180pF 50V J	R367 R368	NRSA63J-182X NRSA63J-182X	MG RESISTOR MG RESISTOR	1.8kΩ 1/16W J 1.8kΩ 1/16W J
C730	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R374	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C744 C805	NCB31HK-103X QETN1CM-227Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 220uF 16V M	R401 R421	NRSA02J-103X NRSA63J-472X	MG RESISTOR MG RESISTOR	10kΩ 1/10W J 4.7kΩ 1/16W J
C806	QETN1CM-477Z	E CAPACITOR	470uF 16V M	R423	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C811 C841	QETN1HM-106Z NCB31HK-152X	E CAPACITOR C CAPACITOR	10uF 50V M 1500pF 50V K	R424 R425	NRSA63J-0R0X NRSA63J-332X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 3.3kΩ 1/16W J
 ∆C901	QFZ9073-224	MM CAPACITOR	0.22uF AC250V M	R426	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
∆ C904 ∆ C905	QCZ9054-102 QCZ9054-102	C CAPACITOR C CAPACITOR	1000pF AC250V Z 1000pF AC250V Z	R429 R430	NRSA63J-103X NRSA63J-823X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 82kΩ 1/16W J
∆ C907	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R431	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
C909 ∆ C910	QEZ0633-127 QFZ9072-104	E CAPACITOR MM CAPACITOR	120uF 450V M 0.1uF AC250V K	R432 R433	QRE121J-3R9Y QRE121J-2R7Y	C RESISTOR C RESISTOR	3.9Ω 1/2W J 2.7Ω 1/2W J
C922	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	R436	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C924 C925	QETN1HM-475Z QETN1VM-476Z	E CAPACITOR E CAPACITOR	4.7uF 50V M 47uF 35V M	R440 R441	QRE121J-471Y NRSA63J-822X	C RESISTOR MG RESISTOR	470Ω 1/2W J 8.2kΩ 1/16W J
C926	QFLC1HJ-332Z	M CAPACITOR	3300pF 50V J	R442	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C927 C929	NCB31HK-104X QFKA2JK-103	C CAPACITOR MM CAPACITOR	0.1uF 50V K 0.01uF 630V K	R443 R453	QRE121J-1R0Y NRSA63J-332X	C RESISTOR MG RESISTOR	1Ω 1/2W J 3.3kΩ 1/16W J
C931 C932	QCZ0364-681	C CAPACITOR	680pF 2kV K 220pF 50V J	R502 R503	NRSA63J-0R0X NRSA63J-682X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 6.8kΩ 1/16W J
C941	NDC31HJ-221X QCZ0364-561	C CAPACITOR C CAPACITOR	560pF 2kV K	R521	QRE121J-560Y	C RESISTOR	56Ω 1/2W J
C942 C944	QEZ0203-107 QCB32HK-222Z	E CAPACITOR C CAPACITOR	100uF 160V M 2200pF 500V K	R525 R526	QRL029J-330 QRE121J-271Y	OMF RESISTOR C RESISTOR	33Ω 2W J 270Ω 1/2W J
C945	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M	R529	QRL039J-681	OMF RESISTOR	680Ω 3W J
C946 C947	QETN1EM-108Z QCB32HK-222Z	E CAPACITOR C CAPACITOR	1000uF 25V M 2200pF 500V K	R531 R532	NRSA63J-331X NRSA63J-102X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 1kΩ 1/16W J
C948	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	 ∆R551	QRX029J-R47	MF RESISTOR	0.47Ω 2W J
C949 C976	NDC31HJ-471X QFTN1FM-2277	C CAPACITOR F CAPACITOR	470pF 50V J 220uF 25V M	R552 R554	QRJ146J-2R2X QRF121,I-681Y	UNF C RESISTOR C RESISTOR	2.2Ω 1/4W J 680Ω 1/2W J
C977	QETN1EM-227Z QETN1CM-227Z	E CAPACITOR E CAPACITOR	220uF 16V M	R571	QRE121J-681Y QRE121J-222Y	C RESISTOR C RESISTOR	2.2kΩ 1/2W J
C978 C979	QETN1EM-227Z QETN1AM-227Z	E CAPACITOR E CAPACITOR	220uF 25V M 220uF 10V M	R573 R574	QRT029J-1R5 QRT029J-1R5	MF RESISTOR MF RESISTOR	1.5Ω 2W J 1.5Ω 2W J
ΔC991	QCZ9071-102	C CAPACITOR	1000pF AC400V M	R576	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
∆ C992 ∆ C993	QCZ9071-102 QCZ9071-102	C CAPACITOR C CAPACITOR	1000pF AC400V M 1000pF AC400V M	R577 R578	NRSA63J-392X NRSA63J-103X	MG RESISTOR MG RESISTOR	3.9kΩ 1/16W J 10kΩ 1/16W J
R002	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R581 R582	QRE121J-182Y NRSA63J-223X	C RESISTOR MG RESISTOR	1.8kΩ 1/2W J 22kΩ 1/16W J
R003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R583	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R004 R102	NRSA63J-563X NRSA63J-750X	MG RESISTOR MG RESISTOR	56kΩ 1/16W J 75Ω 1/16W J	R651 R652	NRSA63J-472X NRSA63J-102X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 1kΩ 1/16W J
R103	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R653	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R109 R110	NRSA63J-682X NRSA63J-272X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 2.7kΩ 1/16W J	R654 R655	NRSA63J-223X NRSA63J-473X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 47kΩ 1/16W J
R111	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R656	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R112 R113	NRSA63J-100X NRSA63J-101X	MG RESISTOR MG RESISTOR	10Ω 1/16W J 100Ω 1/16W J	R657 R658	NRSA63J-222X NRSA63J-222X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J 2.2kΩ 1/16W J
R120	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R659	QRE121J-4R7Y	C RESISTOR	4.7Ω 1/2W J
R121 R159	NRSA63J-221X NRSA63J-184X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 180kΩ 1/16W J	R660 R661	NRSA63J-153X QRE121J-271Y	MG RESISTOR C RESISTOR	15kΩ 1/16W J 270Ω 1/2W J
R301 R302	NRSA63J-221X NRSA63J-472X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 4.7kΩ 1/16W J	R662 R664	QRE121J-271Y NRSA63J-682X	C RESISTOR MG RESISTOR	270Ω 1/2W J 6.8kΩ 1/16W J
R303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R665	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R304 R305	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J	R666 R667	NRSA63J-101X QRE121J-101Y	MG RESISTOR C RESISTOR	100Ω 1/16W J 100Ω 1/2W J
R306	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R668	QRT029J-5R6	MF RESISTOR	5.6Ω 2W J
R307 R308	NRSA63J-122X NRSA63J-182X	MG RESISTOR MG RESISTOR	1.2kΩ 1/16W J 1.8kΩ 1/16W J	R706 R707	NRSA63J-561X NRSA63J-561X	MG RESISTOR MG RESISTOR	560Ω 1/16W J 560Ω 1/16W J
R312	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R708	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R313 R314	NRSA63J-102X NRSA63J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 1kΩ 1/16W J	R709 R710	NRSA63J-472X NRSA63J-472X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 4.7kΩ 1/16W J
R321	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	R711	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R322	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R712	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J

Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
R713 R714 R715 R716 R718 R719 R720 R721 R723 R725 R726 R727 R728 R729 R730 R731 R736 R737 R738 R739 R740 R741 R742 R746 R748 R749 R771 R772 R796 R797 R802 R802 R806 R807 R811 R811 R815 R816 R817 R901 R911 R811 R815 R816 R817 R901 R811 R815 R816 R817 R901 R911 R815 R816 R817 R901 R811 R815 R816 R807 R810 R811 R815 R816 R817 R901 R903 R904 R903 R904 R905 R921 R922 R923 R924 R925 R928 R933 R934 R935 R977 R978 R978 R979 R988 Δ►R999	NRSA63J-472X NRSA63J-472X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-102X NRSA63J-103X QRL039J-270 NRSA63J-103X QRL039J-270 NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-104X NRSA63J-103X NRSA63J-103X NRSA63J-561X NRSA63J-561X NRSA63J-392X NRSA63J-561X NRSA63J-103X NRSA63J-104 QRE121J-1181Y NRSA63J-105	MG RESISTOR C RESISTOR C RESISTOR MG RESISTOR C RESISTOR C RESISTOR MG RESISTOR MG RESISTOR OMF RESISTOR	4.7kΩ 1/16W J 4.7kΩ 1/16W J 220Ω 1/16W J 220Ω 1/16W J 220Ω 1/16W J 560Ω 1/16W J 1kΩ 1/16W J 4.7kΩ 1/16W J 1kΩ 1/16W J 27Ω 3W J 1kΩ 1/16W J 4.7kΩ 1/16W J 15kΩ 1/16W J 15kΩ 1/16W J 16W J 10KΩ 1/16W J 10KΩ 2W J 10KΩ 1/16W J 15KΩ 2W J 15KΩ 1/16W J	S704 S705 \$\times\$\$901 SF102 SF122 \$\times\$\$K351 \$\times\$\$TH901 TU001 \$\times\$\$VA901 X301 X302 X701	Q\$W0619-003Z Q\$W0619-003Z Q\$W0750-001 QAX0666-002 QAX0325-001 QNZ0536-002 QAD0121-9R0 QAU0447-001 QAF0072-621 QAX0705-001Z QAX0860-001Z QAX0884-001 LC30114-001C-H	PUSH SWITCH PUSH SWITCH SAW FILTER SAW FILTER CRT SOCKET P THERMISTOR TUNER VARISTOR CRYSTAL C RESONATOR LED HOLDER	CH- MENU POWER 9Ω 620V 4.433619MHz 3.579545MHz 12.000MHz
L001 L101 L103 L551 L701 L941 L942 L943 T501 ▲T921	QQL244K-8R2Z QQL244J-2R2Z QQL244K-8R2Z QQL2026-300 QQL244J-5R6Z QQL26AK-820Z QQL244J-4R7Z QQL244J-4R7Z QQR1244-001 QQS0213-001	PEAKING COIL PEAKING COIL PEAKING COIL COIL CHOKE COIL PEAKING COIL PEAKING COIL DRIVE TRANSF SW TRANSF	8.2uH K 2.2uH J 8.2uH K 30uH ±7% 5.6uH J 82uH K 4.7uH J 4.7uH J				
△CP981 △CP982 △F901 J002 J003 J004 J005 K351 K421 K901 K902 K941 K942 K943 △LF901 S701 S702	ICP-N50-T ICP-N75-T QMF51E2-3R15-S QNN0384-001 QNN0281-003 QNN0281-002 QNS0197-001 QQR0621-002Z QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR10673-002 QSW0619-003Z QSW0619-003Z	IC PROTECTOR IC PROTECTOR FUSE PIN JACK PIN JACK PIN JACK PIN JACK 3.5 JACK FERRITE BEADS	2.0A 2.7A 3.15A AC250V VIDEO,AUDIO INOUT(REAR) VIDEO IN(FRONT) AUDIO IN(FRONT) HEADPHONE				

PRINTED WIRING BOARD PARTS LIST [AV-21FMG6/G]

April No. Part No. Part No. Part No. Part No. Description Local	MAIN F	MAIN P.W. BOARD ASS'Y (SCG-1542A-H2)			⚠Ref No. Part No.	Part Name	Description Loca	
COST LOSS	△Ref No.	Part No.	Part Name	Description Local				
CORP LATROGRAPH C								
COST CARPOTTOR								
COTO MINISTRETIAL C COS CENHINA-1762 C CARACTOR A-T-59 M A-						QETN1CM-4772 QFVF1H.I-1047	MF CAPACITOR	
C709 C1000 C1000	IC701	MN1873287JJ1	IC		C008	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
CO24 STR-WISSAMPS C				(SREVICE)				
C221 STR-WSTSARP C				38kHz				
COP2	IC921	STR-W5753A/F5			C106	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C102 SCS-5037/LDT			IC IC			NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	
Q161 Z0001 ADRAIGN					C110	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
Order Display Company Compan								
Days	Q103 Q161							
GAST 25C421221	Q301	2SA1530A/QR/-X	TRANSISTOR		C115	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
GASS ZSC4212271								
Q402 DTC124ESAT TANNISTOR C121 ND33*HK-103X CAPACITOR O.10 ±50 K Q402 25C3850747 TANNISTOR C122 ND33*HK-103X CAPACITOR O.10 ±50 K Q402 25C3850747 TANNISTOR C164 NC33*HK-103X CAPACITOR O.10 ±50 K Q407 25C3828A0P4 TANNISTOR C164 NC33*HK-103X CAPACITOR O.10 ±50 K Q407 25C3828A0P4 TANNISTOR C164 NC33*HK-103X CAPACITOR O.10 ±50 K Q408 C22 25C3828A0P4 TANNISTOR C164 NC33*HK-103X CAPACITOR O.10 ±50 K Q408 C22 25C3828A0P4 TANNISTOR C165 NC33*HK-103X CAPACITOR O.10 ±50 K Q407 C22 C25C3828A0P4 TANNISTOR C165 NC33*HK-103X CAPACITOR O.10 ±50 K Q407 C22 C25C3828A0P4 TANNISTOR C165 NC33*HK-103X CAPACITOR O.10 ±50 K Q407 C22 C25C3828A0P4 TANNISTOR C165 NC33*HK-103X CAPACITOR O.10 ±50 K Q407 C22 C25C3828A0P4 TANNISTOR C165 NC33*HK-103X CAPACITOR O.10 ±50 K Q407 C22 C25C3828A0P4 TANNISTOR C165 NC33*HK-103X CAPACITOR O.10 ±50 K Q407 C22 C25C3828A0P4 TANNISTOR C165 NC33*HK-103X CAPACITOR O.10 ±50 K Q407 C25C3828A0P4 TANNISTOR C165 NC33*HK-103X CAPACITOR O.10 ±50 K Q407 C25C3828A0P4 TANNISTOR C165 NC33*HK-103X CAPACITOR O.10 ±50 K Q407 C25C3828A0P4 TANNISTOR C265 O.10 ±10 +10 +10 +10 +10 +10 +10 +10 +10 +10 +	Q352	2SC4212/Z1/	TRANSISTOR		C119			
G922 25C3928APAR-X TRANSISTOR C122 NČB31HK-103X C CAPACITOR O1-UE-50 W K								
GS21 ZSC2855*/T TRANSISTOR C161 NCB31H:103X C CAPACITOR 0.01LE 50V k					C121 C122			
GFT Z8612089ETZ-T TRANSISTOR C164 NCB3114-103X C CAPACITOR O11 LE 50V K G652 Z852324A0PLX TRANSISTOR C165 NCB3114-103X C CAPACITOR O11 LE 50V K G652 Z852324A0PLX TRANSISTOR C166 NCB3114-103X C CAPACITOR O11 LE 50V K G702 Z8523324A0PLX TRANSISTOR C301 NCB3114-613X C CAPACITOR O11 LE 50V K G703 Z8523324A0PLX TRANSISTOR C302 NCB3114-613X C CAPACITOR O11 LE 50V K G703 Z8523324A0PLX TRANSISTOR C303 NDC3114-103X C CAPACITOR O11 LE 50V K G703 UNZ212-X TRANSISTOR C304 OFF-11-1472 C CAPACITOR O17 LE 50V M G703 UNZ212-X TRANSISTOR C304 OFF-11-1472 C CAPACITOR O17 LE 50V M G704 Z8549607V-X TRANSISTOR C305 OFF-11-1472 C CAPACITOR O17 LE 50V M G705 UNZ212-X D101 TRANSISTOR C306 OFF-11-1472 C CAPACITOR O17 LE 50V M G707 UNZ212-X D101 TRANSISTOR C306 OFF-11-1472 C CAPACITOR O11 LE 50V M G707 UNZ212-X D101 TRANSISTOR C306 OFF-11-1472 C CAPACITOR O11 LE 50V M G707 UNZ212-X D101 TRANSISTOR C306 OFF-11-1472 C CAPACITOR O11 LE 50V M G707 UNZ212-X D101 TRANSISTOR C306 OFF-11-1472 C CAPACITOR O11 LE 50V M D102 MASS-T-2 S D100DE C310 OST-11-1472 C CAPACITOR O11 LE 50V M D102 MASS-T-2 S D100DE C311 NCB3114-103X C CAPACITOR O11 LE 50V M D103 MA3091MAX Z D10DE C315 OET-11-14-1472 C CAPACITOR O11 LE 50V M D104 OFF-11-14-1472 C CAPACITOR O11 LE 50V M D105 ORF-12-14-1472 C CAPACITOR O11 LE 50V M D106 ORF-12-14-1472 C CAPACITOR O11 LE 50V M D107 MTZ15A-T2 S D100DE C315 OET-11-14-1472 C CAPACITOR O11 LE 50V M D108 ORF-12-14-1472 C CAPACITOR O11 LE 50V M D109 ORF-12-14-1472 C CAPACITOR O11 LE 50V M D100 ORF-12-14-1472 C CAPACITOR O10 LE 50V M D100 ORF-12-14-1472 C CAPACITOR O10 LE50V	Q521	2SC2655/Y/-T	TRANSISTOR		C161	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
0851 2 250392ARR/K								
O652 25C3928ARR/X TRANISTOR C301 NB31H-M847SZ C CAPACITOR 680p E90 K Q653 25A153AARR/X TRANISTOR C302 QCFILL C CAPACITOR 4.74 F80 M Q702 25C328AARR/X TRANISTOR C303 NDC31H-100X C CAPACITOR 0.47 F80 M Q803 XSTC319ARR/X TRANISTOR C304 OFFIHLATAZ E CAPACITOR 0.47 F80 M Q804 25C328AARR/X TRANISTOR C306 OERNHK-107 E CAPACITOR 0.47 F80 M Q874 25A9860V-T TRANISTOR C307 OERNIH-107 E CAPACITOR 100 F16 M Q875 US2228AARR/X-Y TRANISTOR C309 OESHIK-107 E CAPACITOR 100 F16 M D001 MTZJ3A-TZ Z DIODE C311 NOS3HK-103X C CAPACITOR 200 F16 M D010 MTZJ3A-TZ Z DIODE C311 NOS3HK-103X C CAPACITOR 201 F16 M D011 MTZJ3A-TZ Z DIODE C311 NOS3HK-221X C CAPACITOR 0.01 F16 M	Q572		TRANSISTOR		C165			
ORDIN CONTROL CONTR		2SC3928A/QR/-X	TRANSISTOR					
Q702 25C3928AQR-V-X TRANSISTOR C303 NCG31H-1-00X C CAPACITOR 19pF 50V J Q708 UR2212-X TRANSISTOR C305 CFINI-IH-4742 C CAPACITOR O.47µ-F50V J Q708 UR2212-X TRANSISTOR C306 CFINI-IH-4742 C CAPACITOR O.47µ-F50V J Q709					C301			
Q708	Q702	2SC3928A/QR/-X	TRANSISTOR		C303	NDC31HJ-100X	C CAPACITOR	10pF 50V J
Q804 Z652982MOPK-1								
Q804 25C3928AQRI-X TRANSISTOR C308 QETNICM-477Z E CAPACITOR 470u-1 eV M Q975 VN2212-X DIGI TRANSISTOR C309 NCB31HK-103X C CAPACITOR 0.01u-1 eV M C300 NCB31HK-103X NCB31HK-103X			TRANSISTOR		C306			0.01uF 50V K
Q975 UN2212-X								
D001 MTZJ33A-T2 Z DIODE C311 NOB31H-J221X C CAPACITOR 220p F80V J D102 MA859-T2 SI DIODE C312 CENC1HM-4742 BP CAPACITOR 0.1 ur F80V K D301 MTZJ9.18-T2 Z DIODE C313 CENC1HM-4742 BP CAPACITOR 0.4 ur F80V M D302 MTZJ9.18-T2 Z DIODE C313 CENC1HM-4742 BP CAPACITOR 0.3 ur F80V M D303 MTZJ9.18-T2 Z DIODE C314 C315 CENTM-M-072 CAPACITOR 0.0 ur F80V K D303 MA3991M/X Z DIODE C315 CENTM-M-072 CAPACITOR 0.0 ur F80V M D305 T4K-T2 SB DIODE C316 CETM-M-1072 CAPACITOR 0.0 ur F80V M D306 Or GRE121-561Y C RESISTOR S601 12W J C317 NCB31EK-473X C CAPACITOR 0.0 ur F80V M D306 Or GRE121-561 C RESISTOR S601 12W J C321 NDD31H-1-20X C CAPACITOR 0.0 ur F80V M D306 Or GRE122-561 C RESISTOR S601 12W J C321 NDD31H-1-20X C CAPACITOR 0.0 ur F80V M D306 Or GRE122-561 C RESISTOR S601 12W J C321 NDD31H-1-20X C CAPACITOR 0.0 ur F80V M D306 Or GRE122-561 C RESISTOR S601 12W J C321 NDD31H-1-20X C CAPACITOR 0.0 ur F80V M D306 Or GRE122-561 C RESISTOR S601 12W J C321 NDD31H-1-20X C CAPACITOR 0.0 ur F80V M D421 MT27-7 2 DIODE C324 CETM-M-1062 C CAPACITOR 0.0 ur F80V M D421 MT27-7 2 DIODE C324 CETM-M-1062 C CAPACITOR 0.0 ur F80V M D422 MT27-7 2 DIODE C324 CETM-M-1062 C CAPACITOR 0.0 ur F80V M D427 MT27-7 2 DIODE C325 NCB31H-1-20X C CAPACITOR 0.0 ur F80V M D427 MT27-7 2 DIODE C325 NCB31H-1-20X C CAPACITOR 0.0 ur F80V M D531 MT27-8 C-T Z DIODE C325 NCB31H-1-20X C CAPACITOR 0.0 ur F80V M D531 MT27-8 C-T Z DIODE C325 NCB31H-1-20X C CAPACITOR 0.0 ur F80V M D531 MT27-8 C-T Z DIODE C325 NCB31H-1-20X C CAPACITOR 0.0 ur F80V M D531 MT27-8 C-T Z DIODE C325 NCB31H-1-20X C CAPACITOR 0.0 ur F80V M D531 MT27-8 C-T Z DIODE C325 NCB31H-1-20X C CAPACITOR 0.0 ur F80V M D531 MT27-8 C-T Z DIODE C325 NCB31H-1-20X C CAPACITOR 0.0 ur F80V M D531 MT27-8 C-T Z DIODE C325 NCB31H-1-20X C CAPA								
D102 MA859-T2 SI DIODE					C310	NDC31HJ-221X	C CAPACITOR	220pF 50V J
D301 MTZJ9.18-T2 Z DIODE C313 QETN1HM-335Z E CAPACITOR 0.01uF 50V K D303 MA3091MI-X Z DIODE C314 NOB31H-1603 C CAPACITOR 0.01uF 50V K D303 MA3091MI-X Z DIODE C316 QETN1CM-107Z E CAPACITOR 0.01uF 50V M D306 CAPACITOR 0.047uF 25V K D306 CAPACITOR 0.027uF 25V K D306 CAPACITOR 0.027uF 25V K D304 CAPACITOR 0.027uF 25V							C CAPACITOR	
D302 MTZJ9.18-T2 Z DIODE								
D305					C314	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D306 ORE121-561Y C RESISTOR 5600 1/2W J C321 NCB31EK-473X C CAPACITOR 0.047uE 25V K D306 or ORG01GJ-561 C RESISTOR 5600 1/2W J C321 NCB31EK-273X C CAPACITOR 12pF 56V J D308 or ORG01GJ-561 OMF RESISTOR 5600 1/2W J C322 NCB31EK-273X C CAPACITOR 0.027uE 25V K D341 MA111-X SI DIODE C324 OETNIHM-106Z E CAPACITOR 0.047uE 50V M D421 MT2J75-T2 Z DIODE C324 OETNIHM-106Z E CAPACITOR 10uF 50V M D423 STR124-400A-T2 SI DIODE C325 OECNIHM-106Z E CAPACITOR 10uF 50V M D424 MA111-X SI DIODE C326 NCS21H-J221X C CAPACITOR 20pF 50V J D425 MA111-X SI DIODE C326 NCS21H-J221X C CAPACITOR 20pF 50V J D427 MT2J8-6C-T2 Z DIODE C351 OECNIHM-106Z E CAPACITOR 20pF 50V J D501 MT2J8-6C-T2 Z DIODE C351 OECNIHM-106Z E CAPACITOR 10uF 50V M D501 MT2J8-6C-T3 SI DIODE C351 OECNIHM-106Z E CAPACITOR 10uF 50V M D503 MT2J9-1B-72 Z DIODE C354 NC321H-J221X C CAPACITOR 10uF 50V M D504 MT2J8-72 Z DIODE C355 NDC31H-J221X C CAPACITOR 20pF 50V J D552 FR105GT-T3 SI DIODE C356 NDC31H-J321X C CAPACITOR 220pF 50V J D553 MA111-X SI DIODE C356 NDC31H-J321X C CAPACITOR 220pF 50V J D554 MA111-X SI DIODE C356 NDC31H-J321X C CAPACITOR 220pF 50V J D551 MA111-X SI DIODE C356 OECNIHM-105Z BP E CAPACITOR 11uF 50V M D581 MT2J20B-T2 Z DIODE C356 OECNIHM-105Z BP E CAPACITOR 11uF 50V M D582 FR105GT-T3 SI DIODE C356 OECNIHM-105Z BP E CAPACITOR 11uF 50V M D583 MA111-X SI DIODE C356 OECNIHM-105Z BP E CAPACITOR 11uF 50V M D684 MT2J20B-T2 Z DIODE C356 OECNIHM-105Z BP E CAPACITOR 11uF 50V M D685 MA111-X SI DIODE C424 OECNIHM-105Z BP E CAPACITOR 11uF 50V M D686 MA111-X SI DIODE OECNIHM-105Z OECNIHM-105Z OECNIHM-105Z OECNIHM-105Z D685 MA111-X SI DIODE OECNIHM-105Z OECNIHM-105Z OECNIHM-105Z OECNIHM-105Z D686 MA111-X SI DIODE OECNIHM-105Z O					C315 C316	QETN1CM-107Z QETN1HM-106Z	E CAPACITOR F CAPACITOR	100uF 16V M 10uF 50V M
D380	D306	QRE121J-561Y	C RESISTOR	560Ω 1/2W J	C317	NCB31EK-473X	C CAPACITOR	0.047uF 25V K
D341 MA111-X SI DIODE C323 GETN1HM-474Z E CAPACITOR 0.47uF 50V M D423 1SR124-400A-T2 SI DIODE C325 GENC1HM-106Z E CAPACITOR 10uF 50V M D425 MA111-X SI DIODE C326 GENC1HM-106Z E CAPACITOR 10uF 50V M D425 MA111-X SI DIODE C326 GENC1HM-106Z E CAPACITOR 10uF 50V M D425 MA111-X SI DIODE C341 GETN1HM-106Z E CAPACITOR 220pF 50V J D427 MTZL27B-T2 Z DIODE C341 GETN1HM-106Z E CAPACITOR 10uF 50V M D425 MTZL27B-T2 Z DIODE C341 GETN1HM-106Z CAPACITOR 10uF 50V M D425 MTZL27B-T2 Z DIODE C341 GETN1HM-106Z CAPACITOR 10uF 50V M D425 MTZL27B-T2 Z DIODE C355 NDC31H-J-271X C CAPACITOR 270pF 50V J D552 FR 105GT-T3 SI DIODE C356 NDC31H-J-271X C CAPACITOR 270pF 50V J D553 MTZJ9-1B-T2 Z DIODE C356 NDC31H-J-271X C CAPACITOR 270pF 50V J D554 MA111-X SI DIODE C356 NDC31H-J-271X C CAPACITOR 270pF 50V J D554 MA111-X SI DIODE C356 NDC31H-J-371X C CAPACITOR 270pF 50V J D551 MA111-X SI DIODE C356 CAPACITOR 330pF 50V J D551 MA111-X SI DIODE C366 CAPACITOR 470uF 10V M D581 MTZJ20B-T2 Z DIODE C366 CAPACITOR SP E CAPACITOR 1uF 50V M D581 MTZJ20B-T2 Z DIODE C366 CAPACITOR SP E CAPACITOR 1uF 50V M D551 MA11-X SI DIODE C424 GENCHM-105Z BP E CAPACITOR 1uF 50V M D651 MA11-X SI DIODE C424 GENCHM-105Z BP E CAPACITOR 0.47uF 50V J D653 MA11-X SI DIODE C426 GENCHM-106Z CAPACITOR 0.01uF 100V J D655 MA11-X SI DIODE C426 GENCHM-106Z CAPACITOR 0.01uF 100V J D655 MA11-X SI DIODE C426 GENCHM-106Z CAPACITOR 0.01uF 100V J D656 MA11-X SI DIODE C426 GETN1MM-107Z CAPACITOR 0.01uF 100V J D656 MA11-X SI DIODE C426 GETN1MM-107Z CAPACITOR 0.01uF 100V J D656 MA11-X SI DIODE C426 GETN1MM-107Z CAPACITOR 0.01uF 100V J D656 MA11-X SI DIODE C426 GETN1MM-107Z CAPACITOR 0.00uF 35V M D657 MA11-X SI DIODE C426 GETN1MM-107Z CAPACITOR 0.00uF 35V M D656 MA11-X SI D								
D421 MTZJ/5-T2		MA111-X		J0052 144 J	C323			0.47uF 50V M
DA25					C324			10uF 50V M
D427 MTZL278-T2 Z DIODE C341 QETN1HM-106Z E CAPACITOR 100pF 50V M			SI DIODE SI DIODE		C325 C326			
D551 FR105GT-T3 SI DIODE C354 NDC31HJ-221X C CAPACITOR 270pF 50V J D552 FR105GT-T3 SI DIODE C355 NDC31HJ-221X C CAPACITOR 220pF 50V J D553 MTZJ9.1B-T2 Z DIODE C356 NDC31HJ-331X C CAPACITOR 330pF 50V J D554 MAT11-X SI DIODE C356 NDC31HJ-331X C CAPACITOR 470uF 10V M D571 MTZJ7.5S-T2 Z DIODE C366 QENC1HM-105Z BP E CAPACITOR 1uF 50V M D581 MTZJ20B-T2 Z DIODE C366 QENC1HM-105Z BP E CAPACITOR 1uF 50V M D651 MA111-X SI DIODE C367 QENC1HM-105Z BP E CAPACITOR 0.47uF 50V J D653 MTZJ12C-T2 Z DIODE C423 QCS32HJ-180Z C CAPACITOR 0.47uF 50V J D654 MTZJ12C-T2 Z DIODE C426 OFLC1HJ-102Z M CAPACITOR 0.01uF 100V J D655 MA11-X SI DIODE C426 OFLC1HJ-102Z M CAPACITOR 100uF 35V M <td>D427</td> <td>MTZJ27B-T2</td> <td>Z DIODE</td> <td></td> <td>C341</td> <td>QETN1HM-106Z</td> <td>E CAPACITOR</td> <td>10uF 50V M</td>	D427	MTZJ27B-T2	Z DIODE		C341	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D552 FR105GT-T3 SI DIODE C355 NDC31HJ-221X C CAPACITOR 2200F 50V J D553 MTZJ9.1B-T2 Z DIODE C356 NDC31HJ-331X C CAPACITOR 330pF 50V J D554 MA111-X SI DIODE C365 NDC31HJ-331X C CAPACITOR 470uF 10V M D571 MTZJ2DB-T2 Z DIODE C365 QENC1HM-105Z BP E CAPACITOR 1uF 50V M D581 MTZJ2DB-T2 Z DIODE C366 QENC1HM-105Z BP E CAPACITOR 1uF 50V M D582 FR105GT-T3 SI DIODE C367 QENC1HM-105Z BP E CAPACITOR 1uF 50V M D651 MA111-X SI DIODE C421 QCS32HJ-180Z C CAPACITOR 0.4Tyte 50V J D652 MTZJ12C-T2 Z DIODE C424 QELC2AJ-103Z M CAPACITOR 0.01uF 100V J D653 MA111-X SI DIODE C424 QFLC2AJ-103Z M CAPACITOR 0.01uF 100V J D656 MA111-X SI DIODE C427 QETN14M-107Z E CAPACITOR 0.01uF 50V M <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
D553 MTZJ.9 (18-T2) Z DIODE C356 NDC31HJ.331X C CAPACITOR 330pF 50V J D551 MA111-X SI DIODE C357 QETN14M-477Z E CAPACITOR 470uF 10V M D571 MTZJ.7.5S-T2 Z DIODE C365 QENC1HM-105Z BP E CAPACITOR 1uF 50V M D581 MTZJ.20B-T2 Z DIODE C366 QENC1HM-105Z BP E CAPACITOR 1uF 50V M D651 MA111-X SI DIODE C367 QENC1HM-105Z BP E CAPACITOR 0.47uF 50V J D653 MA111-X SI DIODE C421 QCS32HJ-180Z C CAPACITOR 18pF 500V J D653 MA111-X SI DIODE C424 QFLC2AJ-103Z M CAPACITOR 0.01uF 100V J D654 MTZJ12C-T2 Z DIODE C426 QFLC1HJ-102Z M CAPACITOR 100uF 35V M D655 MA111-X SI DIODE C426 QFL01HJ-107Z CAPACITOR 100uF 35V M D656 MA111-X SI DIODE C427 QETN14M-107Z E CAPACITOR 100uF 35V M								220pF 50V J
D571 MTZJ7.5S-T2								330pF 50V J
D581 MTZJ20B-T2								
D651 MA111-X	D581	MTZJ20B-T2	Z DIODE		C366	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
D652 MTZJ12C-T2 Z DIODE C423 QCS32HJ-180Z C CAPACITOR 18pF 500V J D653 MA111-X SI DIODE C424 QFLC2AJ-103Z M CAPACITOR 0.01uF 100V J D654 MTZJ12C-T2 Z DIODE C426 QFLC1HJ-102Z M CAPACITOR 100pF 50V J D655 MA111-X SI DIODE C427 QETN1HM-107Z E CAPACITOR 100uF 35V M D656 MA111-X SI DIODE C428 QETN1HM-107Z E CAPACITOR 100uF 35V M D657 MA111-X SI DIODE C429 QETN1HM-106Z E CAPACITOR 100uF 50V M D704 LH22440-T16 LED POWER(RED) C430 QFN32AJ-472Z M CAPACITOR 470upF 100V J D705 LE22440-T16 LED ON TIMER(ORG) C433 QETM1HM-475Z E CAPACITOR 4.7uF 50V M D731 MA111-X SI DIODE C435 QETM1HM-475Z E CAPACITOR 4.7uF 50V M D731 MA111-X SI DIODE C436 QFVF1HJ-334Z MF CAPACITOR <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
D654 MTZJ12C-T2 Z DIODE C426 QFLC1HJ-102Z M CAPACITOR 1000pF 50V J D655 MA111-X SI DIODE C427 QETN1VM-107Z E CAPACITOR 100uF 35V M D656 MA111-X SI DIODE C428 QETN1VM-107Z E CAPACITOR 100uF 35V M D657 MA111-X SI DIODE C428 QETN1VM-107Z E CAPACITOR 10uF 56V M D704 LH22440-T16 LED POWER(RED) C430 QFN32AJ-472Z M CAPACITOR 4700pF 100V J D705 LE22440-T16 LED ON TIMER(ORG) C433 QEHR1HM-475Z E CAPACITOR 4.7uF 50V M D731 MA11-X SI DIODE C435 QETM1EM-228 E CAPACITOR 2200uF 25V M D920 1SS133-T2 SI DIODE C436 QFVF1HJ-333Z MF CAPACITOR 0.1uF 50V K D921 FR105GT-T3 SI DIODE C501 QETN1EM-476Z E CAPACITOR 0.1uF 50V K D927 MTZJ36A-T2 Z DIODE C502 NCB31HK-103X C CAPACITOR<	D652	MTZJ12C-T2	Z DIODE		C423	QCS32HJ-180Z	C CAPACITOR	18pF 500V J
D655 MA111-X SI DIODE C427 QETN1VM-107Z E CAPACITOR 100¼F 35V M D656 MA111-X SI DIODE C428 QETN1VM-107Z E CAPACITOR 100µF 35V M D657 MA111-X SI DIODE C429 QETN1HM-106Z E CAPACITOR 10µF 50V M D704 LH22440-T16 LED POWER(RED) C430 QFN32AJ-472Z M CAPACITOR 4700pF 100V J D705 LE22440-T16 LED ON TIMER(ORG) C433 QEHR1HM-475Z E CAPACITOR 4.7µF 50V M D731 MA11-X SI DIODE C436 QFVF1HJ-334Z MF CAPACITOR 2200µF 25V M D920 1SS133-T2 SI DIODE C436 QFVF1HJ-334Z MF CAPACITOR 0.3uF 50V J D921 FR105GT-T3 SI DIODE C501 QETN1EM-476Z E CAPACITOR 0.1uF 50V K D925 FR105GT-T3 SI DIODE C501 QETN1HM-106Z E CAPACITOR 0.1uF 50V K D925 MTZJ38A-T2 Z DIODE C503 QETN1HM-106Z E CAPACITO								
D656 MA111-X SI DIODE C428 QETN1VM-107Z E CAPACITOR 100uF 35V M D657 MA111-X SI DIODE C429 QETN1HM-106Z E CAPACITOR 10uF 50V M D704 LH22440-T16 LED POWER(RED) C430 QFN32AJ-472Z M CAPACITOR 4700pF 100V J D705 LE22440-T16 LED ON TIMER(ORG) C433 QEHR1HM-476Z E CAPACITOR 4.70uF 50V M D707 MA111-X SI DIODE C435 QETM1EM-228 E CAPACITOR 2200uF 25V M D731 MA111-X SI DIODE C436 QFVF1HJ-334Z MF CAPACITOR 0.33uF 50V J D920 1SS133-T2 SI DIODE C437 NCB31HK-104X C CAPACITOR 0.1uF 50V K D921 FR105GT-T3 SI DIODE C501 QETN1EM-476Z E CAPACITOR 0.1uF 50V K D927 MTZJ36A-T2 Z DIODE C503 QETN1HM-106Z E CAPACITOR 1.0uF 50V M D930 FR107GT-T3 SI DIODE C523 QETN1EM-476Z E CAPACIT					C426 C427	QETN1VM-107Z	E CAPACITOR	
D704 LH22440-T16 LED POWER(RED) C430 QFN32AJ-472Z M CAPACITOR 4700pF 100V J D705 LE22440-T16 LED ON TIMER(ORG) C433 QEHR1HM-475Z E CAPACITOR 4.7uF 50V M D707 MA111-X SI DIODE C435 QETM1EM-228 E CAPACITOR 2200uF 25V M D731 MA111-X SI DIODE C436 QFVF1HJ-334Z MF CAPACITOR 0.33uF 50V J D920 1SS133-T2 SI DIODE C437 NCB31HK-104X C CAPACITOR 0.1uF 50V K D921 FR105GT-T3 SI DIODE C501 QETN1EM-476Z E CAPACITOR 0.1uF 50V K D925 FR105GT-T3 SI DIODE C502 NCB31HK-103X C CAPACITOR 0.01uF 50V K D927 MTZJ36A-T2 Z DIODE C503 QETN1HM-106Z E CAPACITOR 0.01uF 50V M D928 MTZJ3.3A-T2 Z DIODE C523 QETN1HM-106Z E CAPACITOR 47uF 25V M D931 MA11-X SI DIODE C525 QFZ0200-103 MPP CAP	D656	MA111-X	SI DIODE		C428	QETN1VM-107Z	E CAPACITOR	100uF 35V M
D705 LE22440-T16 LED ON TIMER(ORG) C433 QEHR1HM-475Z E CAPACITOR 4.7uF 50V M D707 MA111-X SI DIODE C435 QETM1EM-228 E CAPACITOR 2200uF 25V M D731 MA111-X SI DIODE C436 QFVF1HJ-334Z MF CAPACITOR 0.33uF 50V J D920 1SS133-T2 SI DIODE C437 NCB31HK-104X C CAPACITOR 0.1uF 50V K D921 FR105GT-T3 SI DIODE C501 QETN1EM-476Z E CAPACITOR 4.7uF 25V M D925 FR105GT-T3 SI DIODE C502 NCB31HK-103X C CAPACITOR 0.01uF 50V K D927 MTZJ36A-T2 Z DIODE C503 QETN1HM-106Z E CAPACITOR 10uF 50V M D928 MTZJ3.3A-T2 Z DIODE C523 QETN1HM-106Z E CAPACITOR 47uF 25V M D930 FR107GT-T3 SI DIODE C525 QF20200-103 MPP CAPACITOR 0.01uF 1.5kV H D931 MA111-X SI DIODE C526 QFLC1HJ-822Z M CAPACITOR				POWER(RED)				
D731 MA111-X SI DIODE C436 QFVF1HJ-334Z MF CAPACITOR 0.33uF 50V J D920 1SS133-T2 SI DIODE C437 NCB31HK-104X C CAPACITOR 0.1uF 50V K D921 FR105GT-T3 SI DIODE C501 QETN1EM-476Z E CAPACITOR 47uF 25V M D925 FR105GT-T3 SI DIODE C502 NCB31HK-103X C CAPACITOR 0.01uF 50V K D927 MTZJ36A-T2 Z DIODE C503 QETN1HM-106Z E CAPACITOR 10uF 50V M D928 MTZJ3.3A-T2 Z DIODE C523 QETN1HM-476Z E CAPACITOR 47uF 25V M D930 FR107GT-T3 SI DIODE C525 QFZ0200-103 MPP CAPACITOR 0.01uF 1.5kV H D931 MA111-X SI DIODE C526 QFLC1HL-822Z M CAPACITOR 0.56uF 250V J D933 MTZJ16C-T2 Z DIODE C527 QFZ0197-564 MPP CAPACITOR 0.56uF 250V J D941 RU3AM-LFC4 SI DIODE C529 QFLC1HL-332Z M CAPACITOR 3300pF 50V J	D705	LE22440-T16	LED		C433			
D920 1SS133-T2 SI DIODE C437 NCB31HK-104X C CAPACITOR 0.1uF 50V K D921 FR105GT-T3 SI DIODE C501 QETN1EM-476Z E CAPACITOR 47uF 25V M D925 FR105GT-T3 SI DIODE C502 NCB31HK-103X C CAPACITOR 0.01uF 50V K D927 MTZJ36A-T2 Z DIODE C503 QETN1HM-106Z E CAPACITOR 10uF 50V M D928 MTZJ3.3A-T2 Z DIODE C523 QETN1EM-476Z E CAPACITOR 47uF 25V M D930 FR107GT-T3 SI DIODE C525 QF20200-103 MPP CAPACITOR 0.01uF 1.5kV H D931 MA111-X SI DIODE C526 QFLC1HJ-822Z M CAPACITOR 8200pF 50V J D941 RU3AM-LFC4 SI DIODE C529 QFLC1HJ-332Z M CAPACITOR 3300pF 50V J D942 ERC30-02L38E SI DIODE C531 QEZ0203-107 E CAPACITOR 100uF 160V M D943 FR105GT-T3 SI DIODE C552 QETM1VM-108 E CAPACITOR 100uF 160V M								
D921 FR105GT-T3 SI DIODE C501 QETN1EM-476Z E CAPACITOR 47uF 25V M D925 FR105GT-T3 SI DIODE C502 NCB31HK-103X C CAPACITOR 0.01uF 50V K D927 MTZJ36A-T2 Z DIODE C503 QETN1HM-106Z E CAPACITOR 10uF 50V M D928 MTZJ3.3A-T2 Z DIODE C523 QETN1EM-476Z E CAPACITOR 47uF 25V M D930 FR107GT-T3 SI DIODE C525 QFZ0200-103 MPP CAPACITOR 0.01uF 1.5kV H D931 MA111-X SI DIODE C526 QFLC1HJ-822Z M CAPACITOR 8200pF 50V J D933 MTZJ16C-T2 Z DIODE C527 QFZ0197-564 MPP CAPACITOR 0.56uF 250V J D941 RU3AM-LFC4 SI DIODE C529 QFLC1HJ-332Z M CAPACITOR 3300pF 50V J D942 ERC30-02L38E SI DIODE C531 QEZ0203-107 E CAPACITOR 100uF 160V M D943 FR105GT-T3 SI DIODE C552 QETM1VM-108 E CAPACITOR 100uF 160V M						NCB31HK-104X		0.33uF 50V J 0.1uF 50V K
D927 MTZJ36A-T2 Z DIODE C503 QETN1HM-106Z E CAPACITOR 10uF 50V M D928 MTZJ3.3A-T2 Z DIODE C523 QETN1EM-476Z E CAPACITOR 47uF 25V M D930 FR107GT-T3 SI DIODE C525 QFZ0200-103 MPP CAPACITOR 0.01uF 1.5kV H D931 MA111-X SI DIODE C526 QFLC1HJ-822Z M CAPACITOR 8200pF 50V J D933 MTZJ16C-T2 Z DIODE C527 QFZ0197-564 MPP CAPACITOR 0.56uF 250V J D941 RU3AM-LFC4 SI DIODE C529 QFLC1HJ-332Z M CAPACITOR 3300pF 50V J D942 ERC30-02L38E SI DIODE C531 QEZ0203-107 E CAPACITOR 100uF 160V M D943 FR105GT-T3 SI DIODE C552 QETM1VM-108 E CAPACITOR 100uF 35V M D982 MA111-X SI DIODE C554 QETN2EM-475Z E CAPACITOR 4.7uF 250V M	D921	FR105GT-T3	SI DIODE		C501	QETN1EM-476Z	E CAPACITOR	47uF 25V M
D928 MTZJ3.3A-T2 Z DIODE C523 QETN1EM-476Z E CAPACITOR 47uF 25V M D930 FR107GT-T3 SI DIODE C525 QFZ0200-103 MPP CAPACITOR 0.01uF 1.5kV H D931 MA111-X SI DIODE C526 QFLC1HJ-822Z M CAPACITOR 8200pF 50V J D933 MTZJ16C-T2 Z DIODE C527 QFZ0197-564 MPP CAPACITOR 0.56uF 250V J D941 RU3AM-LFC4 SI DIODE C529 QFLC1HJ-332Z M CAPACITOR 3300pF 50V J D942 ERC30-021.38E SI DIODE C531 QEZ0203-107 E CAPACITOR 100uF 160V M D943 FR105GT-T3 SI DIODE C552 QETM1VM-108 E CAPACITOR 1000uF 35V M D982 MA111-X SI DIODE C554 QETN2EM-475Z E CAPACITOR 4.7uF 250V M								
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D933 MTZJ16C-T2 Z DIODE C527 QFZ0197-564 MPP CAPACITOR 0.56uF 250V J D941 RU3AM-LFC4 SI DIODE C529 QFLC1HJ-332Z M CAPACITOR 3300pF 50V J D942 ERC30-02L38E SI DIODE C531 QEZ0203-107 E CAPACITOR 100uF 160V J D943 FR105GT-T3 SI DIODE C552 QETM1VM-108 E CAPACITOR 1000uF 35V M D982 MA111-X SI DIODE C554 QETN2EM-475Z E CAPACITOR 4.7uF 250V M	D930	FR107GT-T3	SI DIODE		C525	QFZ0200-103	MPP CAPACITOR	0.01uF 1.5kV H
D941 RU3AM-LFC4 SI DIODE C529 QFLC1HJ-332Z M CAPACITOR 3300pF 50V J D942 ERC30-02L38E SI DIODE C531 QEZ0203-107 E CAPACITOR 100uF 160V M D943 FR105GT-T3 SI DIODE C552 QETM1VM-108 E CAPACITOR 1000uF 35V M D982 MA111-X SI DIODE C554 QETN2EM-475Z E CAPACITOR 4.7uF 250V M					C526 C527			8200pF 50V J 0.56uF 250V J
D943 FR105GT-T3 SI DIODE C552 QETM1VM-108 E CAPACITOR 1000uF 35V M D982 MA111-X SI DIODE C554 QETN2EM-475Z E CAPACITOR 4.7uF 250V M	D941	RU3AM-LFC4	SI DIODE		C529	QFLC1HJ-332Z	M CAPACITOR	3300pF 50V J
D982 MA111-X SI DIODE C554 QETN2EM-475Z E CAPACITOR 4.7uF 250V M								

⚠Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
C571	QETN1AM-107Z	E CAPACITOR	100uF 10V M	R162	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
C572	QETN1EM-476Z	E CAPACITOR	47uF 25V M	R163	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C581	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	R164	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C652	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	R165	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C653	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R166	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
C654	QETN1CM-477Z	E CAPACITOR	470uF 16V M	R301	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C655	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R302	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C656	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	R303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C657	QETN1EM-107Z	E CAPACITOR	100uF 25V M	R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C658	QETN1EM-227Z	E CAPACITOR	220uF 25V M	R305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C659	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R306	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C663	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R307	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
C664	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R308	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C665	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R312	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C705	QETN1CM-477Z	E CAPACITOR	470uF 16V M	R313	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C706	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R314	NRSA63J-102X	MG RESISTOR	
C707	NCB31HK-104X	C CAPACITOR C CAPACITOR	0.01uF 50V K	R321	NRSA63J-152X	MG RESISTOR	1kΩ 1/16W J 1.5kΩ 1/16W J
C708	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	R322	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R323	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C709 C710	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R324	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C711	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R326	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R327	NRSA63J-475X	MG RESISTOR	4.7MΩ 1/16W J
C713	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R341	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C716	NDC31HJ-181X	C CAPACITOR	180pF 50V J	R347	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
C717	NDC31HJ-181X	C CAPACITOR	180pF 50V J	R349	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C718 C719	NCB31HK-103X	C CAPACITOR	0.01uF 50V K 1uF 50V M	R351 R352	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J 150Ω 1/16W J
C720	QETN1HM-105Z NCB31HK-103X	E CAPACITOR C CAPACITOR	0.01uF 50V K	R353	NRSA63J-151X NRSA63J-151X	MG RESISTOR MG RESISTOR	150Ω 1/16W J
C721	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	R354	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C722	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R355	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C724	NDC31HJ-560X	C CAPACITOR	56pF 50V J	R356	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C728	NDC31HJ-181X	C CAPACITOR	180pF 50V J	R357	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C729	NDC31HJ-181X	C CAPACITOR	180pF 50V J	R358	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C730	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R359	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C744	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R360	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
C805	QETN1CM-227Z	E CAPACITOR	220uF 16V M	R361	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
C806 C811	QETN1CM-477Z	E CAPACITOR	470uF 16V M	R362	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
C841	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R363	QRL029J-123	OMF RESISTOR	12kΩ 2W J
	NCB31HK-152X	C CAPACITOR	1500pF 50V K	R364	QRL029J-123	OMF RESISTOR	12kΩ 2W J
∆C901	QFZ9073-224	MM CAPACITOR	0.22uF AC250V M	R365	QRL029J-123	OMF RESISTOR	12kΩ 2W J
∆C904	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R366	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
 ∆C905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R367	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
∆ C907	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R368	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C909	QEZ0476-127	E CAPACITOR	120uF	R374	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
∆ C910	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	R401	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
C922	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	R421	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C924	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R423	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C925	QETN1VM-476Z	E CAPACITOR	47uF 35V M	R424	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C926	QFLC1HJ-332Z	M CAPACITOR	3300pF 50V J	R425	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C927	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R426	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C929	QFKA2JK-103	MM CAPACITOR	0.01uF 630V K	R429	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C931	QCZ0364-681	C CAPACITOR	680pF 2kV K	R430	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C932	NDC31HJ-221X	C CAPACITOR	220pF 50V J	R431	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
C941	QCZ0364-561	C CAPACITOR	560pF 2kV K	R432	QRE121J-3R9Y	C RESISTOR	3.9Ω 1/2W J
C942	QEZ0203-107	E CAPACITOR	100uF 160V M	R433	QRE121J-2R7Y	C RESISTOR	2.7Ω 1/2W J
C944 C945	QCB32HK-222Z	C CAPACITOR	2200pF 500V K 1000uF 25V M	R436	NRSA63J-823X QRE121J-471Y	MG RESISTOR C RESISTOR	82kΩ 1/16W J
C946	QEHR1EM-108Z QETN1EM-108Z	E CAPACITOR E CAPACITOR	1000uF 25V M	R440 R441	NRSA63J-822X	MG RESISTOR	470Ω 1/2W J 8.2kΩ 1/16W J
C947	QCB32HK-222Z	C CAPACITOR	2200pF 500V K	R442	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C948	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R443	QRE121J-1R0Y	C RESISTOR	1Ω 1/2W J
C949	NDC31HJ-471X	C CAPACITOR	470pF 50V J	R453	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C976	QETN1EM-227Z	E CAPACITOR	220uF 25V M	R502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C977	QETN1CM-227Z	E CAPACITOR	220uF 16V M	R503	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C978 C979	QETN1EM-227Z QETN1AM-227Z	E CAPACITOR	220uF 25V M 220uF 10V M	R521	QRE121J-560Y QRL029J-330	C RESISTOR OMF RESISTOR	56Ω 1/2W J 33Ω 2W J
 ∆C991	QCZ9071-102	E CAPACITOR C CAPACITOR	1000pF AC400V M	R525 R526	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
 ∆C992	QCZ9071-102	C CAPACITOR	1000pF AC400V M	R529	QRL039J-681	OMF RESISTOR	680Ω 3W J
∆C993	QCZ9071-102	C CAPACITOR	1000pF AC400V M	R531	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
			·	R532	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R002	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	∆ R551	QRX029J-R47	MF RESISTOR	0.47Ω 2W J
R003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R552	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R004	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R554	QRE121J-681Y	C RESISTOR	680Ω 1/2W J
R102	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R571	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R103	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R573	QRT029J-1R5	MF RESISTOR	1.5Ω 2W J
R109	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R574	QRT029J-1R5	MF RESISTOR	1.5Ω 2W J
R110	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R576	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R111	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R577	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R112	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R578	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R581	QRE121J-182Y	C RESISTOR	1.8kΩ 1/2W J
R114	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R582	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R115	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R583	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R117	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R651	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R118	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R652	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R120	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R653	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R121	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R654	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R159	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	R655	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R161	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R656	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
13101	11110/1000-102/	MO INCOMINA	1/422 1/ 1044 A	11000	11110/1000-022/	MIC INCOICTOR	U.21\22 1/ 1UVV U

⚠Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
R657 R658 R659 R660 R661	NRSA63J-222X NRSA63J-222X QRE121J-4R7Y NRSA63J-153X QRE121J-271Y	MG RESISTOR MG RESISTOR C RESISTOR MG RESISTOR C RESISTOR	2.2kΩ 1/16W J 2.2kΩ 1/16W J 4.7Ω 1/2W J 15kΩ 1/16W J 270Ω 1/2W J	CF161 ⚠CP981 ⚠CP982 ⚠F901 J002	QAX0642-001Z ICP-N50-T ICP-N75-T QMF51E2-3R15-S QNN0384-001	C FILTER IC PROTECTOR IC PROTECTOR FUSE PIN JACK	4.500MHz 2.0A 2.7A 3.15A AC250V VIDEO AUDIO INOUT(REAR)
R662 R664 R665 R666 R667 R668	QRE121J-271Y NRSA63J-682X NRSA63J-103X NRSA63J-101X QRE121J-101Y QRT029J-5R6	C RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR C RESISTOR MF RESISTOR	270Ω 1/2W J 6.8kΩ 1/16W J 10kΩ 1/16W J 100Ω 1/16W J 100Ω 1/2W J 5.6Ω 2W J	J003 J004 J005 K351 K421 K901	QNN0281-003 QNN0281-002 QNS0197-001 QQR0621-002Z QQR1113-001Z QQR1113-001Z	PIN JACK PIN JACK 3.5 JACK FERRITE BEADS FERRITE BEADS FERRITE BEADS	VIDEO IN(FRONT) AUDIO IN(FRONT) HEADPHONE
R706 R707 R708 R709 R710 R711	NRSA63J-561X NRSA63J-561X NRSA63J-102X NRSA63J-472X NRSA63J-472X NRSA63J-472X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	560Ω 1/16W J 560Ω 1/16W J 1κΩ 1/16W J 4.7kΩ 1/16W J 4.7kΩ 1/16W J 4.7kΩ 1/16W J	K902 K941 K942 K943 ∕∕LF901 S701	QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR0673-002 QSW0619-003Z	FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS LINE FILTER PUSH SWITCH	VOL+
R712 R713 R714 R715 R716 R718	NRSA63J-472X NRSA63J-472X NRSA63J-472X NRSA63J-221X NRSA63J-221X NRSA63J-561X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 4.7kΩ 1/16W J 4.7kΩ 1/16W J 220Ω 1/16W J 220Ω 1/16W J 560Ω 1/16W J	\$702 \$703 \$704 \$705 ∆ \$901 \$F102	QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0750-001 QAX0731-001	PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH SAW FILTER	VOL- CH+ CH- MENU POWER
R719 R720 R721 R723 R725 R726	NRSA63J-102X NRSA63J-472X NRSA63J-103X QRL039J-270 NRSA63J-102X NRSA63J-472X	MG RESISTOR MG RESISTOR MG RESISTOR OMF RESISTOR MG RESISTOR MG RESISTOR	1kΩ 1/16W J 4.7kΩ 1/16W J 10kΩ 1/16W J 27Ω 3W J 1kΩ 1/16W J 4.7kΩ 1/16W J	SF122 ⚠SK351 ⚠TH901 TU001 ⚠VA901 X301	QAX0325-001 QNZ0536-002 QAD0121-9R0 QAU0447-001 QAF0072-621 QAX0705-001Z	SAW FILTER CRT SOCKET P THERMISTOR TUNER VARISTOR CRYSTAL	9Ω 620V 4.433619MHz
R727 R728 R729 R730 R731 R736	NRSA63J-153X NRSA63J-102X NRSA63J-102X NRSA63J-103X NRSA63J-472X NRSA63J-823X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	15kΩ 1/16W J 1kΩ 1/16W J 1kΩ 1/16W J 10kΩ 1/16W J 4.7kΩ 1/16W J 82kΩ 1/16W J	X302 X701	QAX0860-001Z QAX0884-001 LC30114-001C-H	CRYSTAL C RESONATOR LED HOLDER	3.579545MHz 12.000MHz
R737 R738 R739 R740 R741 R742	NRSA63J-104X NRSA63J-103X NRSA63J-103X NRSA63J-392X NRSA63J-561X NRSA63J-563X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	100kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J 3.9kΩ 1/16W J 560Ω 1/16W J 56kΩ 1/16W J				
R746 R748 R749 R771 R772 R796	NRSA63J-103X NRSA63J-101X NRSA63J-472X NRSA63J-821X NRSA63J-821X NRSA63J-103X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	10kΩ 1/16W J 100Ω 1/16W J 4.7kΩ 1/16W J 820Ω 1/16W J 820Ω 1/16W J 10kΩ 1/16W J				
R797 R802 R806 R807 R810 R811	NRSA63J-153X NRSA63J-750X QRE121J-271Y NRSA63J-680X QRG01GJ-560 NRSA63J-221X	MG RESISTOR MG RESISTOR C RESISTOR MG RESISTOR OMF RESISTOR MG RESISTOR	15kΩ 1/16W J 75Ω 1/16W J 270Ω 1/2W J 68Ω 1/16W J 56Ω 1W J 220Ω 1/16W J				
R815 R816 R817 R901 R903 R906	QRE121J-181Y NRSA63J-681X NRSA63J-472X QRF104K-3R9 QRL029J-104 QRL029J-104	C RESISTOR MG RESISTOR MG RESISTOR UNF WW RESISTOR OMF RESISTOR OMF RESISTOR	180Ω 1/2W J 680Ω 1/16W J 4.7kΩ 1/16W J 3.9Ω 10W K 100kΩ 2W J 100kΩ 2W J				
R921 R922 R923 R924 R925 R928	QRE121J-1R8Y QRE121J-221Y QRZ0237-R18 NRSA63J-154X NRSA63J-105X QRL039J-683	C RESISTOR C RESISTOR UNF WW RESISTOR MG RESISTOR MG RESISTOR OMF RESISTOR	1.8Ω 1/2W J 220Ω 1/2W J 0.18Ω 3W J 150kΩ 1/16W J 1MΩ 1/16W J 68kΩ 3W J				
R933 R934 R935 R974 R976 R977	QRE121J-4R7Y NRSA63J-683X QRE121J-392Y NRSA63J-222X QRL029J-120 QRE121J-122Y	C RESISTOR MG RESISTOR C RESISTOR MG RESISTOR OMF RESISTOR C RESISTOR	4.7Ω 1/2W J 68kΩ 1/16W J 3.9kΩ 1/2W J 2.2kΩ 1/16W J 12Ω 2W J 1.2kΩ 1/2W J				
R978 R979 R980 ∕ \R991	NRSA63J-473X QRL039J-470 QRL029J-153 QRZ9046-825Z	MG RESISTOR OMF RESISTOR OMF RESISTOR C RESISTOR	47kΩ 1/16W J 47Ω 3W J 15kΩ 2W J 8.2MΩ 1/2W K				
L001 L101 L103 L551 L701 L941 L942	QQL244K-8R2Z QQL244J-2R2Z QQL244K-8R2Z QQLZ026-300 QQL244J-5R6Z QQL26AK-820Z QQL244J-4R7Z	PEAKING COIL PEAKING COIL PEAKING COIL COIL CHOKE COIL PEAKING COIL	8.2uH K 2.2uH J 8.2uH K 30uH ±7% 5.6uH J 82uH K 4.7uH J				
L943 T501 △↑T921	QQL244J-4R7Z QQR1244-001 QQS0213-001	PEAKING COIL DRIVE TRANSF SW TRANSF	4.7uH J				

PRINTED WIRING BOARD PARTS LIST [AV-21FMG6B/G]

		SS'Y (SCG-1543	•	⚠Ref No.	Part No.	Part Name	Description Local
⚠Ref No.	Part No.	Part Name	Description Local	C001	QETN1HM-106Z	E CAPACITOR	10uF 50V M
IC301	NN5198K	IC		C002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
IC421 IC651	LA78040N AN5265	IC IC		C004 C005	QETN1CM-477Z QFVF1HJ-104Z	E CAPACITOR MF CAPACITOR	470uF 16V M 0.1uF 50V J
IC701	MN1873287JJ1	IC		C008	QETN1HM-475Z	E CAPACITOR	4.7uF 50V J
IC702	ATE08-21YMG6	IC	(SREVICE)	C103	QETN1EM-476Z	E CAPACITOR	47uF 25V M
IC703 IC704	L78LR05E-MA GP1UM281QK	IC IR DETECT UNIT	38kHz	C104 C105	NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K
IC704	STR-W5753A/F5	IC	JONIZ	C105	NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K 4700pF 50V K
IC971	L7809CP	IC IC		C107	NCB31HK-472X	C CAPACITOR	4700pF 50V K
IC972	L7805CP	IC		C109	NCB31HK-472X	C CAPACITOR MG RESISTOR	4700pF 50V K
Q102	2SC5397/CD/-T	TRANSISTOR		C110 C112	NRSA63J-0R0X QETN1EM-476Z	E CAPACITOR	0Ω 1/16W J 47uF 25V M
Q103	UN2212-X	DIGI TRANSISTOR		C113	NCB31HK-472X	C CAPACITOR	4700pF 50V K
Q161 Q301	2SD601A/QR/-X 2SA1530A/QR/-X	TRANSISTOR TRANSISTOR		C114 C115	NCB31HK-103X NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q301	2SC3928A/QR/-X	TRANSISTOR		C116	NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K
Q351	2SC4212/Z1/	TRANSISTOR		C117	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
Q352 Q353	2SC4212/Z1/ 2SC4212/Z1/	TRANSISTOR TRANSISTOR		C119 C120	QETN1HM-474Z NDC31HJ-121X	E CAPACITOR C CAPACITOR	0.47uF 50V M 120pF 50V J
Q333 Q401	DTC124ESA-T	DIGI TRANSISTOR		C120	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q402	2SC3928A/QR/-X	TRANSISTOR		C122	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q521 ∆ Q522	2SC2655/Y/-T 2SD2627-YB11	TRANSISTOR POW TRANSISTOR		C161 C162	NCB31HK-103X NCB31HK-152X	C CAPACITOR C CAPACITOR	0.01uF 50V K 1500pF 50V K
Q571	2SA1208/ST/Z1-T	TRANSISTOR		C162	NCB31HK-102X NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q572	2SC3928A/QR/-X	TRANSISTOR		C165	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q651 Q652	2SC3928A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		C166 C301	NCB31HK-104X NCB31HK-681X	C CAPACITOR C CAPACITOR	0.1uF 50V K 680pF 50V K
Q653	2SA1530A/QR/-X	TRANSISTOR		C302	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
Q702	2SC3928A/QR/-X	TRANSISTOR		C303	NDC31HJ-100X	C CAPACITOR	10pF 50V J
Q703 Q708	2SC3928A/QR/-X UN2212-X	TRANSISTOR DIGI TRANSISTOR		C304 C305	QFVF1HJ-474Z QETN1HM-474Z	MF CAPACITOR E CAPACITOR	0.47uF 50V J 0.47uF 50V M
Q803	KTC3199/YG/-T	TRANSISTOR		C306	NCB31HK-103X	C CAPACITOR	0.47uF 50V M 0.01uF 50V K
Q804	2SC3928A/QR/-X	TRANSISTOR		C307	QETN1CM-477Z	E CAPACITOR	470uF 16V M
Q974 Q975	2SA966/OY/-T UN2212-X	TRANSISTOR DIGI TRANSISTOR		C308 C309	QETN1CM-107Z NCB31HK-103X	E CAPACITOR C CAPACITOR	100uF 16V M 0.01uF 50V K
QUIU	ONEE IE X	DIGITIVATOIOTOIX		C310	NDC31HJ-221X	C CAPACITOR	220pF 50V J
D001	MTZJ33A-T2	Z DIODE		C311	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D102 D301	MA859-T2 MTZJ9.1B-T2	SI DIODE Z DIODE		C312 C313	QENC1HM-474Z QETN1HM-335Z	BP E CAPACITOR E CAPACITOR	0.47uF 50V M 3.3uF 50V M
D302	MTZJ9.1B-T2	Z DIODE		C314	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D303	MA3091/M/-X	Z DIODE		C315	QETN1CM-107Z	E CAPACITOR	100uF 16V M
D305 D306	1K4-T2 QRE121J-561Y	SB DIODE C RESISTOR	560Ω 1/2W J	C316 C317	QETN1HM-106Z NCB31EK-473X	E CAPACITOR C CAPACITOR	10uF 50V M 0.047uF 25V K
D306	or QRE122J-561	C RESISTOR	560Ω 1/2W J	C321	NDC31HJ-120X	C CAPACITOR	12pF 50V J
D306	or QRG01GJ-561 MA111-X	OMF RESISTOR SI DIODE	560Ω 1W J	C322	NCB31EK-273X	C CAPACITOR	0.027uF 25V K
D341 D421	MTZJ75-T2	Z DIODE		C323 C324	QETN1HM-474Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	0.47uF 50V M 10uF 50V M
D423	1SR124-400A-T2	SI DIODE		C325	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
D425 D427	MA111-X MTZJ27B-T2	SI DIODE Z DIODE		C326	NCS21HJ-221X	C CAPACITOR E CAPACITOR	220pF 50V J
D501	MTZJ6.8C-T2	Z DIODE Z DIODE		C341 C351	QETN1HM-106Z QCZ0121-102	C CAPACITOR	10uF 50V M 1000pF 3KV Z
D551	FR105GT-T3	SI DIODE		C354	NDC31HJ-271X	C CAPACITOR	270pF 50V J
D552 D553	FR105GT-T3 MTZJ9.1B-T2	SI DIODE Z DIODE		C355 C356	NDC31HJ-221X NDC31HJ-331X	C CAPACITOR C CAPACITOR	220pF 50V J 330pF 50V J
D554	MA111-X	SI DIODE		C357	QETN1AM-477Z	E CAPACITOR	470uF 10V M
D571	MTZJ7.5S-T2	Z DIODE		C365	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
D581 D582	MTZJ20B-T2 FR105GT-T3	Z DIODE SI DIODE		C366 C367	QENC1HM-105Z QENC1HM-105Z	BP E CAPACITOR BP E CAPACITOR	1uF 50V M 1uF 50V M
D651	MA111-X	SI DIODE		C401	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J
D652	MTZJ12C-T2	Z DIODE SI DIODE		C423	QCS32HJ-180Z	C CAPACITOR	18pF 500V J
D653 D654	MA111-X MTZJ12C-T2	Z DIODE		C424 C426	QFLC2AJ-103Z QFLC1HJ-102Z	M CAPACITOR M CAPACITOR	0.01uF 100V J 1000pF 50V J
D655	MA111-X	SI DIODE		C427	QETN1VM-107Z	E CAPACITOR	100uF 35V M
D656 D657	MA111-X MA111-X	SI DIODE SI DIODE		C428	QETN1VM-107Z QETN1HM-106Z	E CAPACITOR	100uF 35V M
D704	LH22440-T16	LED	POWER(RED)	C429 C430	QFN32AJ-472Z	E CAPACITOR M CAPACITOR	10uF 50V M 4700pF 100V J
D705	LE22440-T16	LED	ON TIMER(ORG)	C433	QEHR1HM-475Z	E CAPACITOR	4.7uF 50V M
D707 D731	MA111-X MA111-X	SI DIODE SI DIODE		C435	QETM1EM-228	E CAPACITOR	2200uF 25V M
D731 D920	1SS133-T2	SI DIODE SI DIODE		C436 C437	QFVF1HJ-334Z NCB31HK-104X	MF CAPACITOR C CAPACITOR	0.33uF 50V J 0.1uF 50V K
D921	FR105GT-T3	SI DIODE		C501	QETN1EM-476Z	E CAPACITOR	47uF 25V M
D925	FR105GT-T3	SI DIODE		C502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D927 D928	MTZJ36A-T2 MTZJ3.3A-T2	Z DIODE Z DIODE		C503 C523	QETN1HM-106Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	10uF 50V M 47uF 25V M
D930	FR107GT-T3	SI DIODE		C525	QFZ0200-103	MPP CAPACITOR	0.01uF 1.5kV H
D931	MA111-X	SI DIODE		C526	QFLC1HJ-822Z	M CAPACITOR	8200pF 50V J
D933 D941	MTZJ16C-T2 RU3AM-LFC4	Z DIODE SI DIODE		C527 C529	QFZ0197-564 QFLC1HJ-332Z	MPP CAPACITOR M CAPACITOR	0.56uF 250V J 3300pF 50V J
D942	ERC30-02L38E	SI DIODE		C529	QEZ0203-107	E CAPACITOR	100uF 160V M
	FR105GT-T3	SI DIODE			QETM1VM-108		4000 E 051/14
D943 D982	MA111-X	SI DIODE		C552 C554	QETN1VW-106 QETN2EM-475Z	E CAPACITOR E CAPACITOR	1000uF 35V M 4.7uF 250V M

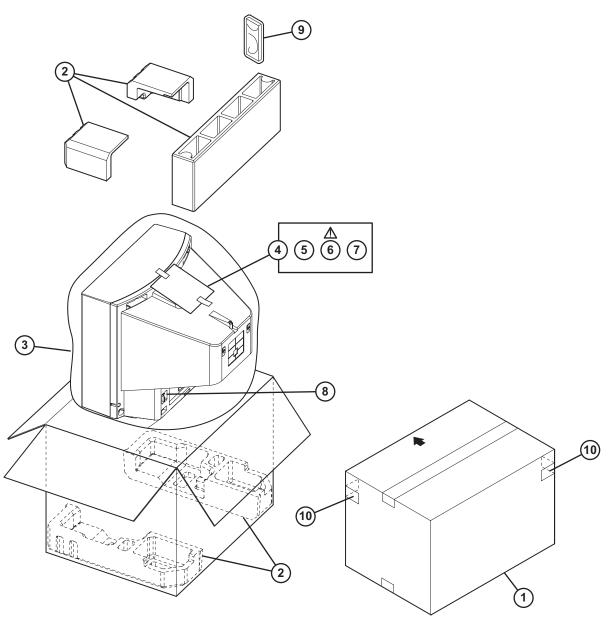
⚠Ref No.	Part No.	Part Name	Description Local	ÆRef No.	Part No.	Part Name	Description Local
C571	QETN1AM-107Z	E CAPACITOR	100uF 10V M	R162	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
C572 C581	QETN1EM-476Z QFVF1HJ-104Z	E CAPACITOR MF CAPACITOR	47uF 25V M 0.1uF 50V J	R163 R164	NRSA63J-222X NRSA63J-221X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J 220Ω 1/16W J
C652 C653	NCB31HK-473X QETN1HM-106Z	C CAPACITOR E CAPACITOR	0.047uF 50V K 10uF 50V M	R165 R166	NRSA63J-220X NRSA63J-821X	MG RESISTOR MG RESISTOR	22Ω 1/16W J 820Ω 1/16W J
C654	QETN1CM-477Z	E CAPACITOR	470uF 16V M	R301	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C655 C656	QETN1HM-106Z QENC1HM-105Z	E CAPACITOR BP E CAPACITOR	10uF 50V M 1uF 50V M	R302 R303	NRSA63J-472X NRSA63J-101X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 100Ω 1/16W J
C657	QETN1EM-107Z	E CAPACITOR	100uF 25V M	R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C658 C659	QETN1EM-227Z QETN1HM-475Z	E CAPACITOR E CAPACITOR	220uF 25V M 4.7uF 50V M	R305 R306	NRSA63J-101X NRSA63J-221X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 220Ω 1/16W J
C663	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R307	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
C664 C665	QETN1CM-107Z NCB31HK-103X	E CAPACITOR C CAPACITOR	100uF 16V M 0.01uF 50V K	R308 R312	NRSA63J-182X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	1.8kΩ 1/16W J 0Ω 1/16W J
C705	QETN1CM-477Z NCB31HK-104X	E CAPACITOR	470uF 16V M	R313	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C706 C707	NCB31HK-104X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.1uF 50V K 0.01uF 50V K	R314 R321	NRSA63J-102X NRSA63J-152X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 1.5kΩ 1/16W J
C708	QETN1AM-108Z NCB31HK-103X	E CAPACITOR C CAPACITOR	1000uF 10V M 0.01uF 50V K	R322 R323	NRSA63J-272X NRSA63J-103X	MG RESISTOR MG RESISTOR	2.7kΩ 1/16W J 10kΩ 1/16W J
C709 C710	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R324	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C711 C712	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	R326 R327	NRSA63J-101X NRSA63J-475X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 4.7MΩ 1/16W J
C713	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R341	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C716 C717	NDC31HJ-181X NDC31HJ-181X	C CAPACITOR C CAPACITOR	180pF 50V J 180pF 50V J	R347 R349	NRSA63J-392X NRSA63J-472X	MG RESISTOR MG RESISTOR	3.9kΩ 1/16W J 4.7kΩ 1/16W J
C718	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R351	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C719 C720	QETN1HM-105Z NCB31HK-103X	E CAPACITOR C CAPACITOR	1uF 50V M 0.01uF 50V K	R352 R353	NRSA63J-151X NRSA63J-151X	MG RESISTOR MG RESISTOR	150Ω 1/16W J 150Ω 1/16W J
C721 C722	NCB31EK-333X NDC31HJ-101X	C CAPACITOR C CAPACITOR	0.033uF 25V K 100pF 50V J	R354 R355	NRSA63J-331X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 330Ω 1/16W J
C724	NDC31HJ-560X	C CAPACITOR C CAPACITOR	56pF 50V J	R356	NRSA63J-331X NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C728 C729	NDC31HJ-181X NDC31HJ-181X	C CAPACITOR C CAPACITOR	180pF 50V J 180pF 50V J	R357 R358	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
C730	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R359	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C744 C805	NCB31HK-103X QETN1CM-227Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 220uF 16V M	R360 R361	QRZ0107-152Z QRZ0107-152Z	C RESISTOR C RESISTOR	1.5kΩ 1/2W K 1.5kΩ 1/2W K
C806	QETN1CM-477Z	E CAPACITOR	470uF 16V M	R362	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
C811 C841	QETN1HM-106Z NCB31HK-152X	E CAPACITOR C CAPACITOR	10uF 50V M 1500pF 50V K	R363 R364	QRL029J-123 QRL029J-123	OMF RESISTOR OMF RESISTOR	12kΩ 2W J 12kΩ 2W J
∆C901 ∆C904	QFZ9073-224	MM CAPACITOR	0.22uF AC250V M	R365	QRL029J-123	OMF RESISTOR	12kΩ 2W J
 ∆C905	QCZ9054-102 QCZ9054-102	C CAPACITOR C CAPACITOR	1000pF AC250V Z 1000pF AC250V Z	R366 R367	NRSA63J-182X NRSA63J-182X	MG RESISTOR MG RESISTOR	1.8kΩ 1/16W J 1.8kΩ 1/16W J
	QCZ9054-102 QEZ0476-127	C CAPACITOR E CAPACITOR	1000pF AC250V Z 120uF	R368 R374	NRSA63J-182X NRSA63J-682X	MG RESISTOR MG RESISTOR	1.8kΩ 1/16W J 6.8kΩ 1/16W J
∆ C910	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	R401	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
C922 C924	QFLC1HJ-104Z QETN1HM-475Z	M CAPACITOR E CAPACITOR	0.1uF 50V J 4.7uF 50V M	R421 R423	NRSA63J-472X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 0Ω 1/16W J
C925	QETN1VM-476Z	E CAPACITOR	47uF 35V M	R424	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C926 C927	QFLC1HJ-332Z NCB31HK-104X	M CAPACITOR C CAPACITOR	3300pF 50V J 0.1uF 50V K	R425 R426	NRSA63J-332X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 0Ω 1/16W J
C929 C931	QFKA2JK-103	MM CAPACITOR	0.01uF 630V K	R429	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J 82kΩ 1/16W J
C931	QCZ0364-681 NDC31HJ-221X	C CAPACITOR C CAPACITOR	680pF 2kV K 220pF 50V J	R430 R431	NRSA63J-823X NRSA02J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/10W J
C941 C942	QCZ0364-561 QEZ0203-107	C CAPACITOR E CAPACITOR	560pF 2kV K 100uF 160V M	R432 R433	QRE121J-3R9Y QRE121J-2R7Y	C RESISTOR C RESISTOR	3.9Ω 1/2W J 2.7Ω 1/2W J
C944	QCB32HK-222Z	C CAPACITOR	2200pF 500V K	R436	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C945 C946	QEHR1EM-108Z QETN1EM-108Z	E CAPACITOR E CAPACITOR	1000uF 25V M 1000uF 25V M	R440 R441	QRE121J-471Y NRSA63J-822X	C RESISTOR MG RESISTOR	470Ω 1/2W J 8.2kΩ 1/16W J
C947	QCB32HK-222Z	C CAPACITOR	2200pF 500V K	R442	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C948 C949	QETN1EM-108Z NDC31HJ-471X	E CAPACITOR C CAPACITOR	1000uF 25V M 470pF 50V J	R443 R453	QRE121J-1R0Y NRSA63J-332X	C RESISTOR MG RESISTOR	1Ω 1/2W J 3.3kΩ 1/16W J
C976 C977	QETN1EM-227Z QETN1CM-227Z	E CAPACITOR E CAPACITOR	220uF 25V M 220uF 16V M	R502 R503	NRSA63J-0R0X NRSA63J-682X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 6.8kΩ 1/16W J
C978	QETN1EM-227Z	E CAPACITOR	220uF 25V M	R521	QRE121J-560Y	C RESISTOR	56Ω 1/2W J
C979 ∆ C991	QETN1AM-227Z QCZ9071-102	E CAPACITOR C CAPACITOR	220uF 10V M 1000pF AC400V M	R525 R526	QRL029J-330 QRE121J-271Y	OMF RESISTOR C RESISTOR	33Ω 2W J 270Ω 1/2W J
∆ C992	QCZ9071-102	C CAPACITOR	1000pF AC400V M	R529	QRL039J-681	OMF RESISTOR	680Ω 3W J
∆ C993	QCZ9071-102	C CAPACITOR	1000pF AC400V M	R531 R532	NRSA63J-331X NRSA63J-102X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 1kΩ 1/16W J
R002	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	 ∆R551	QRX029J-R47	MF RESISTOR	0.47Ω 2W J
R003 R004	NRSA63J-221X NRSA63J-563X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 56kΩ 1/16W J	R552 R554	QRJ146J-2R2X QRE121J-681Y	UNF C RESISTOR C RESISTOR	2.2Ω 1/4W J 680Ω 1/2W J
R102 R103	NRSA63J-750X NRSA63J-100X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 10Ω 1/16W J	R571 R573	QRE121J-222Y QRT029J-1R5	C RESISTOR MF RESISTOR	2.2kΩ 1/2W J 1.5Ω 2W J
R109	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R574	QRT029J-1R5	MF RESISTOR	1.5Ω 2W J
R110 R111	NRSA63J-272X NRSA63J-181X	MG RESISTOR MG RESISTOR	2.7kΩ 1/16W J 180Ω 1/16W J	R576 R577	QRE121J-223Y NRSA63J-392X	C RESISTOR MG RESISTOR	22kΩ 1/2W J 3.9kΩ 1/16W J
R112	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R578	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R113 R114	NRSA63J-101X NRSA63J-472X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 4.7kΩ 1/16W J	R581 R582	QRE121J-182Y NRSA63J-223X	C RESISTOR MG RESISTOR	1.8kΩ 1/2W J 22kΩ 1/16W J
R115	NRSA63J-222X NRSA63J-0R0X	MG RESISTOR	2.2kΩ 1/16W J 0Ω 1/16W J	R583 R651	NRSA63J-393X NRSA63J-472X	MG RESISTOR	39kΩ 1/16W J 4.7kΩ 1/16W J
R117 R118	NRSA63J-222X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J	R652	NRSA63J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J
R120 R121	NRSA63J-391X NRSA63J-221X	MG RESISTOR MG RESISTOR	390Ω 1/16W J 220Ω 1/16W J	R653 R654	NRSA63J-331X NRSA63J-223X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 22kΩ 1/16W J
R159	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	R655	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R161	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R656	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local	ÆRef No.	Part No.	Part Name	Description Local
R657 R658 R659 R660 R661 R662 R664 R665 R666 R667 R668 R706	NRSA63J-222X NRSA63J-222X QRE121J-4R7Y NRSA63J-153X QRE121J-271Y QRE121J-271Y NRSA63J-682X NRSA63J-101X QRE121J-101Y QRT029J-5R6 NRSA63J-561X NRSA63J-561X	MG RESISTOR MG RESISTOR C RESISTOR G RESISTOR C RESISTOR C RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MF RESISTOR MF RESISTOR MG RESISTOR	2.2kΩ 1/16W J 2.2kΩ 1/16W J 4.7Ω 1/2W J 15kΩ 1/16W J 270Ω 1/2W J 270Ω 1/2W J 6.8kΩ 1/16W J 10kΩ 1/16W J 100Ω 1/16W J 100Ω 1/2W J 560Ω 1/16W J 560Ω 1/16W J	CF161	QAX0642-001Z ICP-N50-T ICP-N75-T QMF51E2-3R15-S QNN0384-001 QNN0281-003 QNN0281-002 QNS0197-001 QQR0621-002Z QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR1113-001Z	C FILTER IC PROTECTOR IC PROTECTOR FUSE PIN JACK PIN JACK PIN JACK PIN JACK FERRITE BEADS	4.500MHz 2.0A 2.7A 3.15A AC250V VIDEO,AUDIO INOUT(REAR) VIDEO IN(FRONT) AUDIO IN(FRONT) HEADPHONE
R708 R709 R710 R711 R712 R713 R714 R715 R716 R718 R719 R720 R721 R723 R723	NRSA63J-102X NRSA63J-472X NRSA63J-472X NRSA63J-472X NRSA63J-472X NRSA63J-472X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-102X NRSA63J-103X QRL039J-270 NRSA63J-103X QRL039J-270	MG RESISTOR	1kΩ 1/16W J 4.7kΩ 1/16W J 220Ω 1/16W J 220Ω 1/16W J 220Ω 1/16W J 560Ω 1/16W J 1kΩ 1/16W J 1kΩ 1/16W J 27Ω 3W J 1kΩ 1/16W J	K942 K943 ALF901 S701 S702 S703 S704 S705 AS901 SF102 SF122 ASK351 ATH901 TU001	QQR11113-001Z QQR1113-001Z QQR0673-002 QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0750-001 QAX0731-001 QAX0731-001 QAX0325-001 QAX0536-002 QAD0121-9R0 QAU0447-001 QAF0072-621	FERRITE BEADS FERRITE BEADS LINE FILTER PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH SAW FILTER SAW FILTER CRT SOCKET P THERMISTOR TUNER VARIETOR	VOL+ VOL- CH+ CH- MENU POWER 9Ω 620V
R726 R727 R728 R729 R730 R731 R736 R737 R738 R739 R740 R741 R742 R746 R748 R749	NRSA63J-102X NRSA63J-172X NRSA63J-102X NRSA63J-102X NRSA63J-103X NRSA63J-472X NRSA63J-472X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-561X NRSA63J-561X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X	MG RESISTOR	1kΩ 1/16W J 4.7kΩ 1/16W J 15kΩ 1/16W J 1kΩ 1/16W J 1kΩ 1/16W J 10kΩ 1/16W J 4.7kΩ 1/16W J 82kΩ 1/16W J 100kΩ 1/16W J 100kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J 560Ω 1/16W J 560Ω 1/16W J 56kΩ 1/16W J 10kΩ 1/16W J	X301 X302 X701	QAX0705-001Z QAX0860-001Z QAX0884-001 LC30114-001C-H	VARISTOR CRYSTAL CRYSTAL C RESONATOR LED HOLDER	4.433619MHz 3.579545MHz 12.000MHz
R771 R772 R796 R797 R802 R806 R807 R810 R811 R815 R816 R817 R901 R903 R903 R906	NRSA63J-821X NRSA63J-103X NRSA63J-153X NRSA63J-153X NRSA63J-750X QRE121J-271Y NRSA63J-680X QRG01GJ-560 NRSA63J-221X QRE121J-181Y NRSA63J-681X NRSA63J-472X QRF104K-3R9 QRL029J-104 QRL029J-104 QRE121J-1R8Y	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR C RESISTOR MG RESISTOR OMF RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR UNF WW RESISTOR OMF RESISTOR OMF RESISTOR OMF RESISTOR	820Ω 1/16W J 820Ω 1/16W J 10kΩ 1/16W J 15kΩ 1/16W J 75Ω 1/16W J 270Ω 1/2W J 68Ω 1/16W J 56Ω 1W J 220Ω 1/16W J 180Ω 1/2W J 680Ω 1/16W J 4.7kΩ 1/16W J 3.9Ω 10W K 100kΩ 2W J 100kΩ 2W J 1.8Ω 1/2W J				
R922 R923 R924 R925 R928 R933 R934 R935 R974 R976 R977 R978 R979 R980 △N991	QRE121J-221Y QRZ0237-R18 NRSA63J-154X NRSA63J-105X QRL039J-683 QRE121J-4R7Y NRSA63J-683X QRE121J-392Y NRSA63J-222X QRL029J-120 QRE121J-122Y NRSA63J-473X QRL039J-470 QRL029J-153 QRL029J-153 QRZ9046-825Z	C RESISTOR UNF WW RESISTOR MG RESISTOR MG RESISTOR OMF RESISTOR C RESISTOR C RESISTOR MG RESISTOR C RESISTOR MG RESISTOR C RESISTOR MG RESISTOR OMF RESISTOR OMF RESISTOR OMF RESISTOR OMF RESISTOR C RESISTOR	220Ω 1/2W J 0.18Ω 3W J 150kΩ 1/16W J 1MΩ 1/16W J 68kΩ 3W J 4.7Ω 1/2W J 68kΩ 1/16W J 3.9kΩ 1/2W J 2.2kΩ 1/16W J 12Ω 2W J 1.2kΩ 1/2W J 47kΩ 1/16W J 47Ω 3W J 15kΩ 2W J 8.2MΩ 1/2W K				
L001 L101 L103 L551 L701 L941 L942 L943 T501 ΔT921	QQL244K-8R2Z QQL244J-2R2Z QQL244K-8R2Z QQLZ026-300 QQL244J-5R6Z QQL26AK-820Z QQL244J-4R7Z QQL244J-4R7Z QQR1244-001 QQS0213-001	PEAKING COIL PEAKING COIL PEAKING COIL COIL COIL CHOKE COIL PEAKING COIL PEAKING COIL DRIVE TRANSF SW TRANSF	8.2uH K 2.2uH J 8.2uH K 30uH ±7% 5.6uH J 82uH K 4.7uH J 4.7uH J				

REMOTE CONTROL UNIT PARTS LIST (RM-C360GY-1H)

⚠ Ref No.	Part No.	Part Name	Description	Local
	R25-8567	BATTERY COVER		

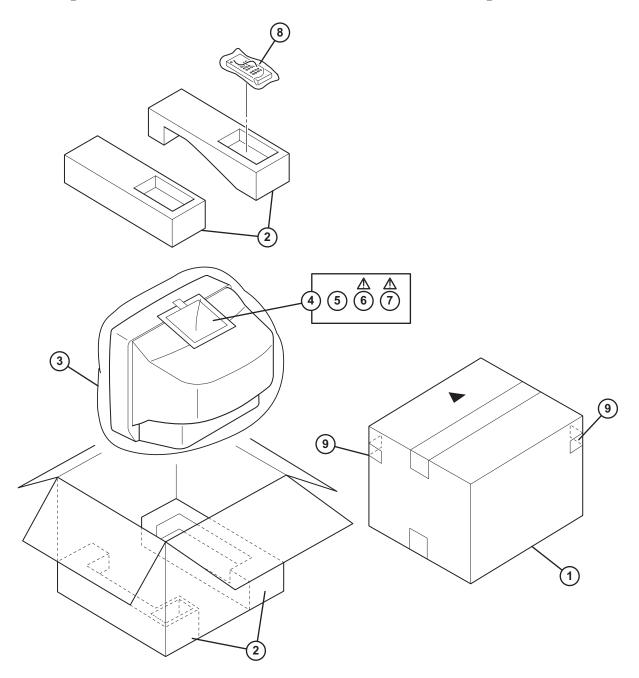
PACKING [AV-2106CE]



PACKING PARTS LIST [AV-2106CE]

Δ	Ref.No.	Part No.	Part Name	Description	Local
	1 2 3 4 5	GG10285-013B-H GG10266-001B-H GG30097-003A-H GG30096-001A-H	PACKING CASE CUSHION ASS'Y POLY BAG POLY BAG BATTERY	5pcs in 1set AA/R6 1.5V(x2)	
⚠	6 7 8 9	GGT0113-001B-H GG40042-001A-H RM-C360GY-1H	INST BOOK WARRANTY CARD CORD CLAMP R/C REMOCON UNIT	Russian,Ukrainaian BT-54023-1H	
	10	GG30147-001B-H	CORNER LABEL	2pcs in 1set	

PACKING [AV-21F16, AV-21FMG6/G, AV-21FMG6B/G]



PACKING PARTS LIST [AV-21F16, AV-21FMG6/G, AV-21FMG6B/G]

⚠ Ref.No.	Part No.	Part Name	Description	Local
1 1 2 3 4 5 4 6 企 6 企 7 企 7	GG10281-013A-H GG10284-028A-H LC10516-007A-H GG30097-003A-H GG30096-001A-H 	PACKING CASE PACKING CASE CUSHION ASSY POLY BAG POLY BAG BATTERY INST BOOK INST BOOK DIGEST MANUAL DIGEST MANUAL REMOCON UNIT CORNER LABEL	4pcs in 1set AA/R6 1.5V(x2) English English Chinese,Russian Arabic,French,Persian,Russian 2pcs in 1set	AV-21F16 AV-21FMG6G,AV-21FMG6BG AV-21F16 AV-21FMG6G,AV-21FMG6BG AV-21F16 AV-21FMG6G,AV-21FMG6BG

JVC

SCHEMATIC DIAGRAMS

COLOUR TELEVISION

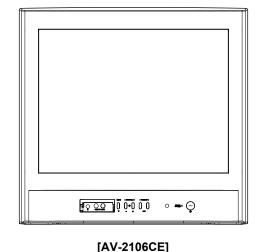
AV-2106CE, AV-21F16, AV-21FMG6B/G

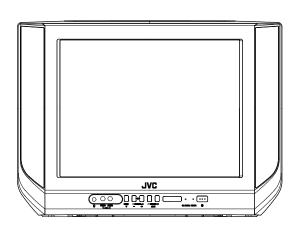
CD-ROM No.SML200604

BASIC CHASSIS

CG4







[AV-21F16, AV-21FMG6/G, AV-21FMG6B/G]

AV-2106CE, AV-21F16, AV-21FMG6/G, AV-21FMG6B/G STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ≜ symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal : Colour bar signal

(2) Setting positions of each knob/button and

: Original setting position variable resistor when shipped

(3)Internal resistance of tester : DC 20kΩ/V

(4)Oscilloscope sweeping time : H 20µs / div

5ms / div

: Othters \Rightarrow Sweeping time is specified

(5) Voltage values : All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

In the PW board : R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM (1)Resistors

Resistance value

No unit : [Ω] Κ : $[k\Omega]$ $: [M\Omega]$

Rated allowable power

No indication : 1/16 [W] Others : As specified

Type

No indication : Carbon resistor OMR : Oxide metal film resistor MFR : Metal film resistor **MPR** : Metal plate resistor **UNFR** : Uninflammable resistor FR : Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

Capacitance value

1 or higher : [pF] less than 1 : [µF]

Withstand voltage

No indication : DC50[V]

Others : DC withstand voltage [V] AC indicated : AC withstand voltage [V]

* Electrolytic Capacitors

47/50[Example]: Capacitance value [µF]/withstand voltage[V]

Type

No indication : Ceramic capacitor MM : Metalized mylar capacitor PP : Polypropylene capacitor

MPP Metalized polypropylene capacitor

MF : Metalized film capacitor TF : Thin film capacitor

BP : Bipolar electrolytic capacitor TAN : Tantalum capacitor

(3)Coils

: [µH] No unit

Others : As specified

(4)Power Supply

: B2 (12V) : 9V : 5V

*Respective voltage values are indicated

(5)Test point



(6)Connecting method



(7)Ground symbol

: LIVE side ground

: ISOLATED(NEUTRAL) side ground

: EARTH ground : DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (\perp) side GND and the ISOLATED(NEUTRAL): (,,) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

♦ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

NOTE

◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.

When ordering parts, please use the numbers that appear in the Parts List.

CONTENTS

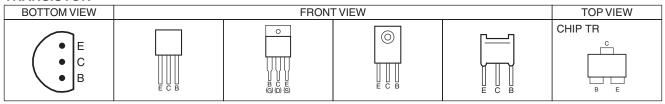
SEMICONDUCTOR SHAPES	2-2
BLOCK DIAGRAM	
CIRCUIT DIAGRAMS	2-5
MAIN PWB CIRCUIT DIAGRAM [AV-2106CE] (1/3)	
MAIN PWB CIRCUIT DIAGRAM [AV-2106CE] (2/3)(3/3)	2-7
MAIN PWB CIRCUIT DIAGRAM [AV-21F16] (1/3)	2-9
MAIN PWB CIRCUIT DIAGRAM [AV-21F16] (2/3)(3/3)	
MAIN PWB CIRCUIT DIAGRAM [AV-21FMG6/G, AV-21FMG6B/G] (1/3)	2-13
MAIN PWB CIRCUIT DIAGRAM [AV-21FMG6/G, AV-21FMG6B/G] (2/3)(3/3)	2-15
PATTERN DIAGRAMS	
MAIN PWB PATTERN [AV-2106CE]	2-17
MAIN PWB PATTERN [AV-21FMG6B/G, AV-21FMG6/G, AV-21F16]	2-19
VOLTAGE CHARTS	
WAVEFORMS	2-22

USING P.W. BOARD

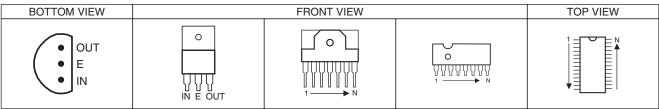
PWB ASS'Y name	AV-2106CE	AV-21F16	AV-21FMG6/G	AV-21FMG6B/G
MAIN P.W.BOARD	SCG-1517A-H2	SCG-1541A-H2	SCG-1542A-H2	SCG-1543A-H2

SEMICONDUCTOR SHAPES

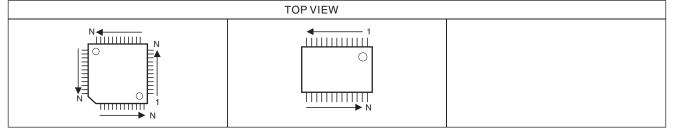
TRANSISTOR



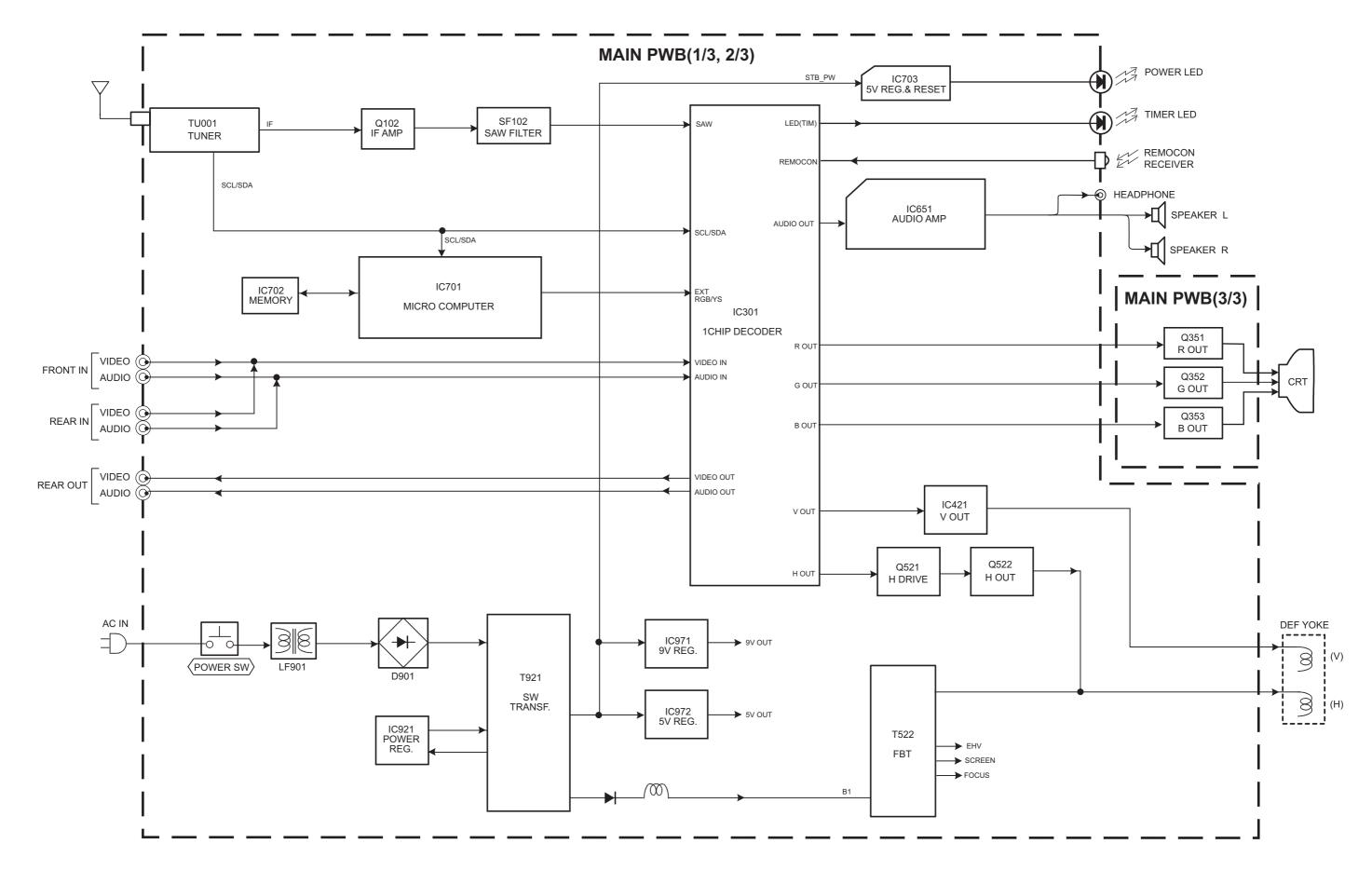




CHIP IC

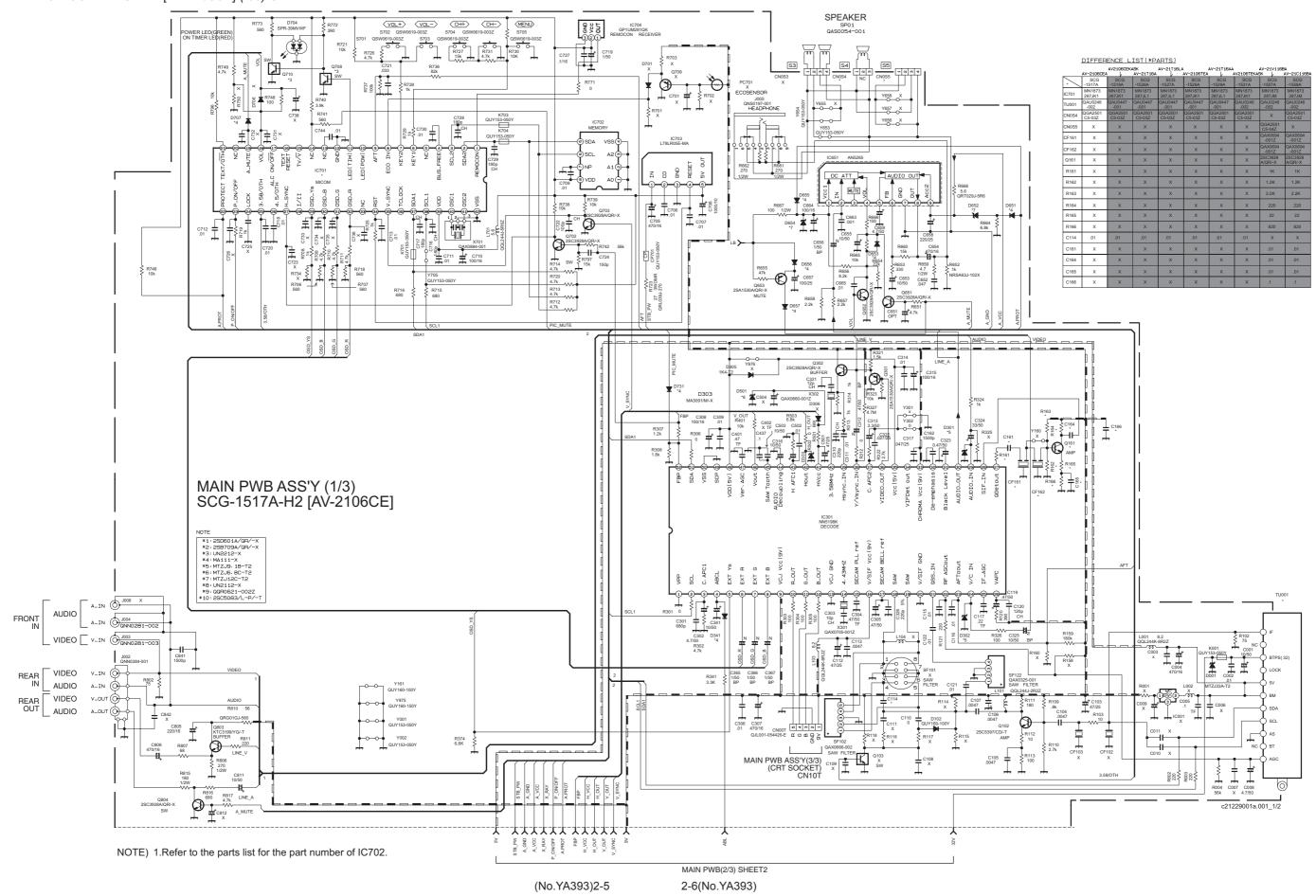


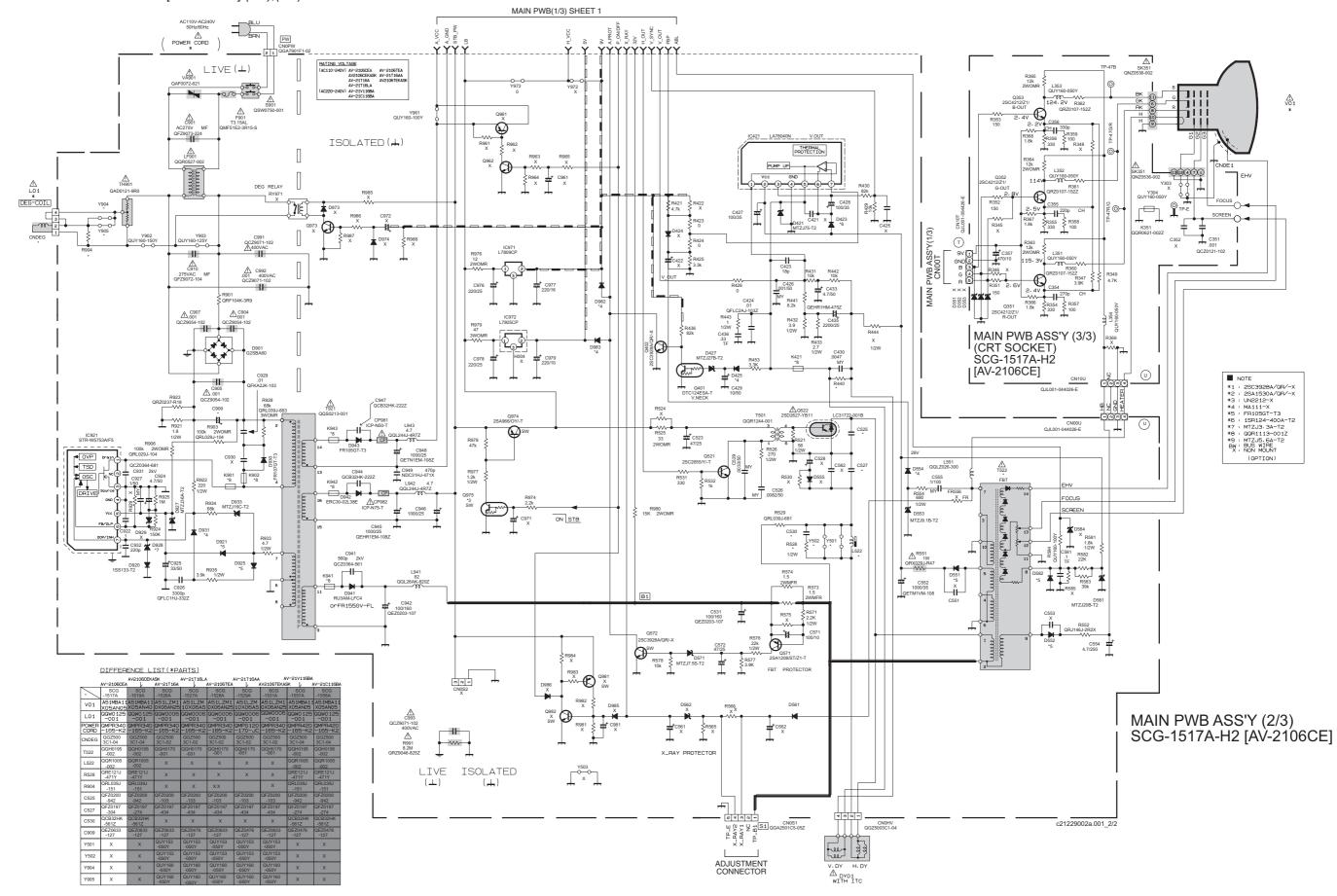
BLOCK DIAGRAM

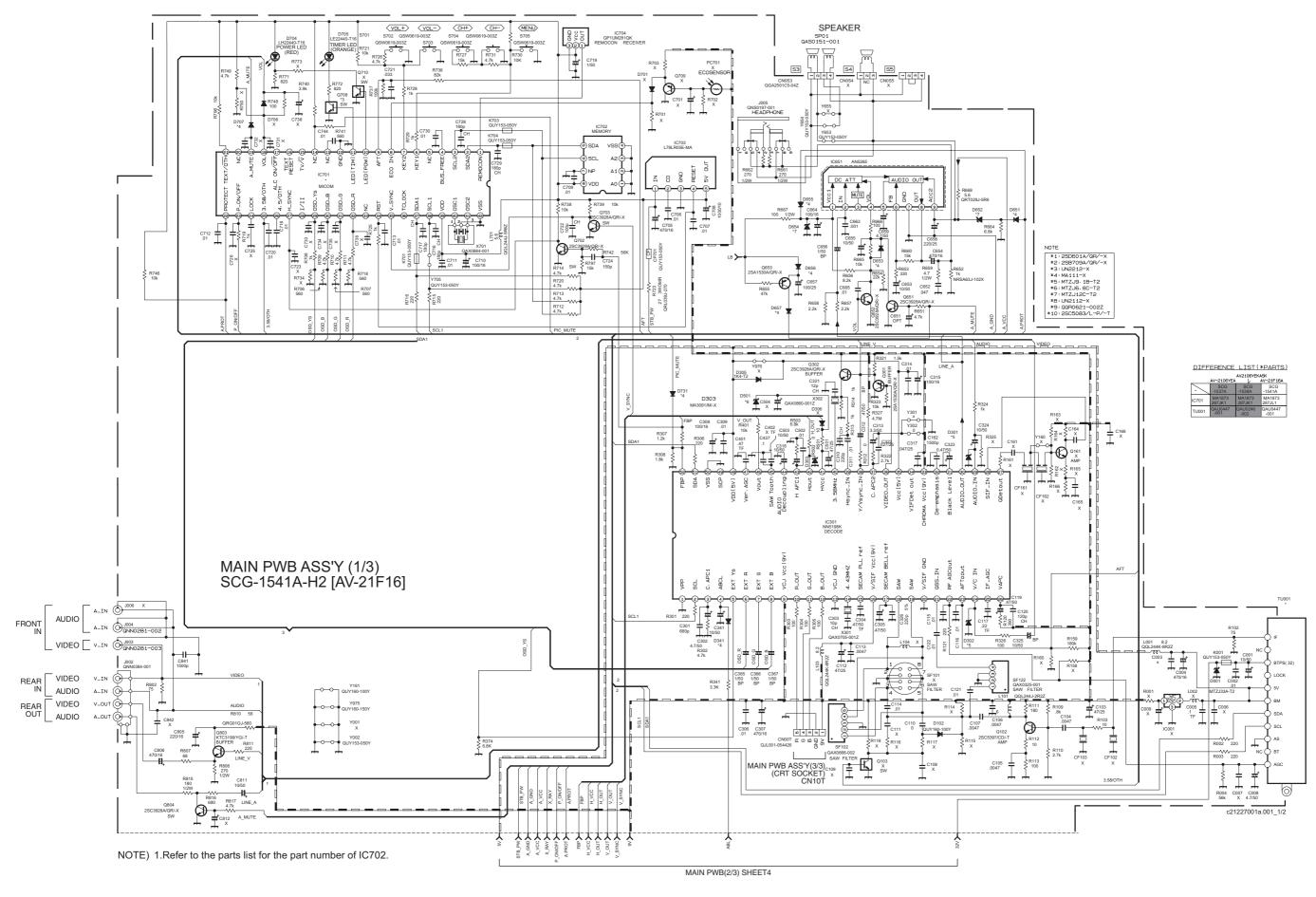


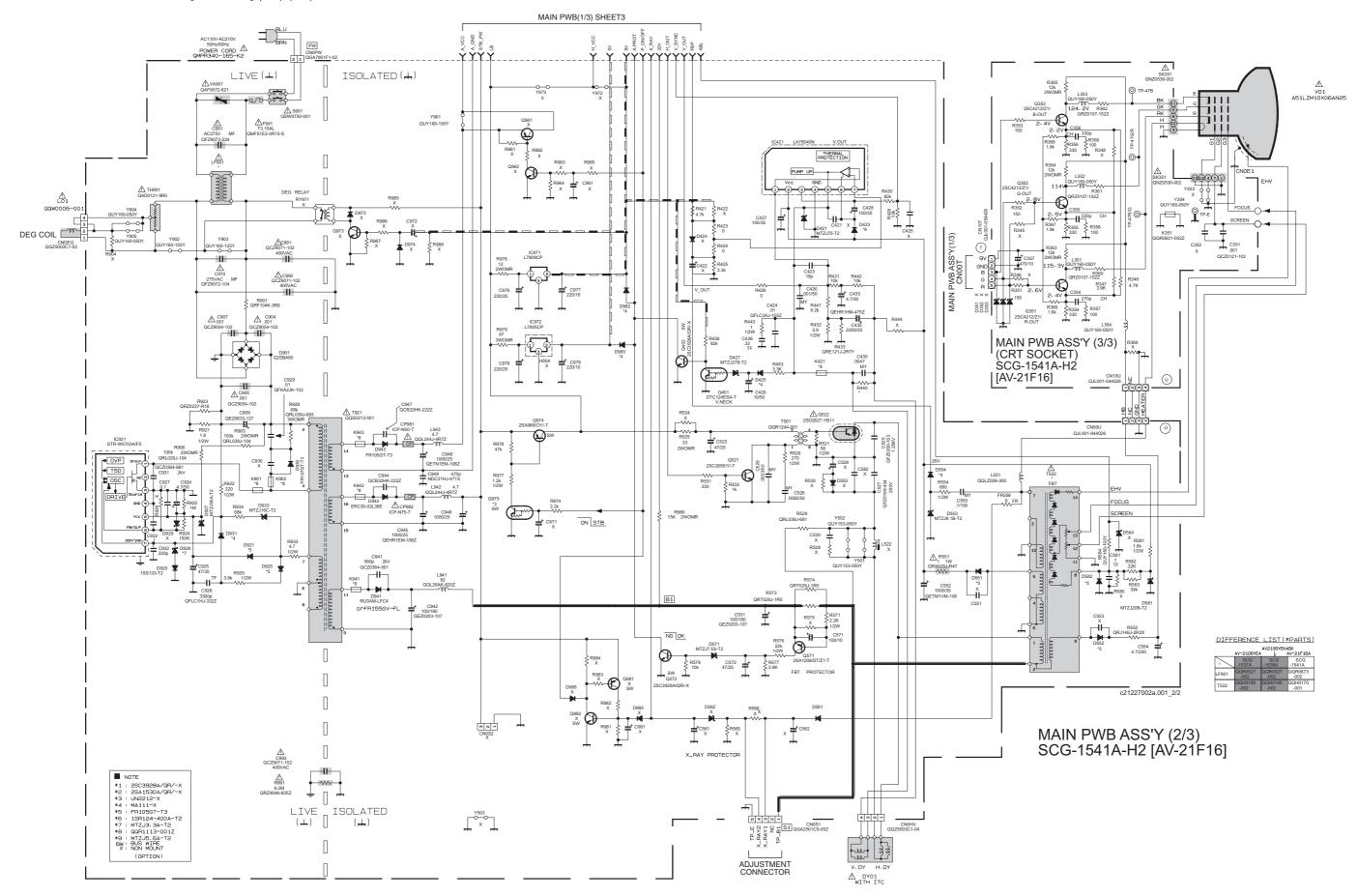
CIRCUIT DIAGRAMS

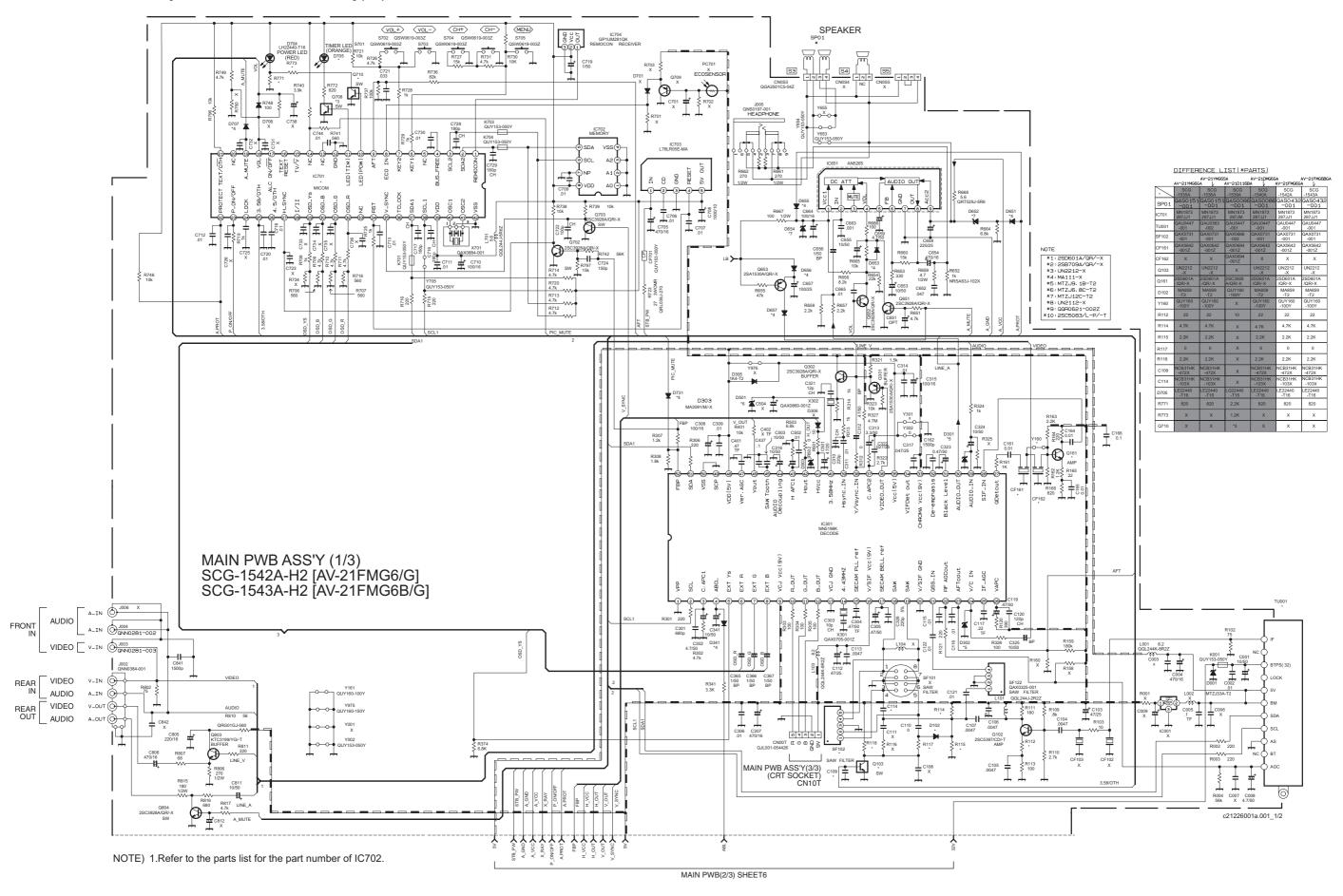
MAIN PWB CIRCUIT DIAGRAM [AV-2106CE] (1/3) SHEET1

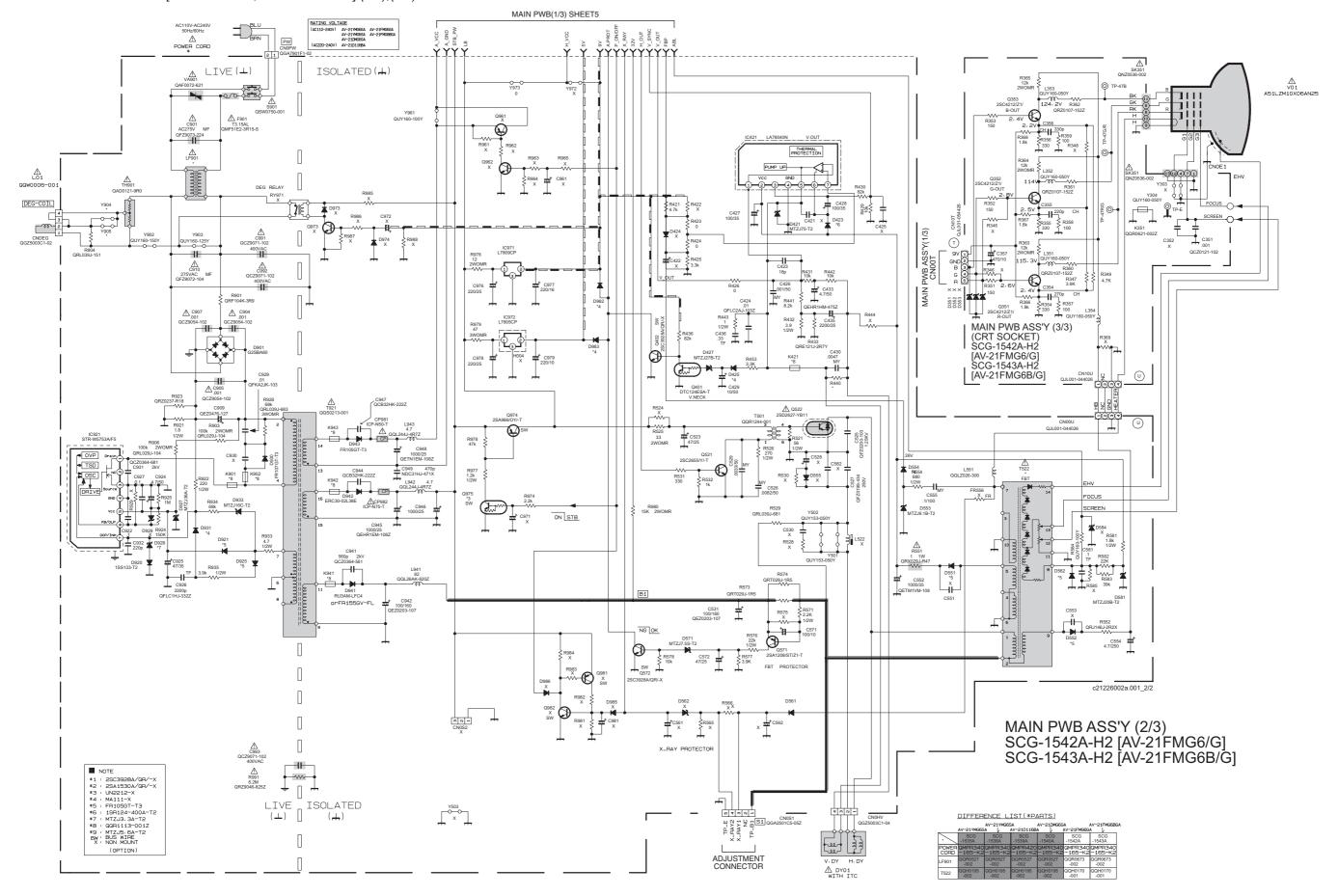




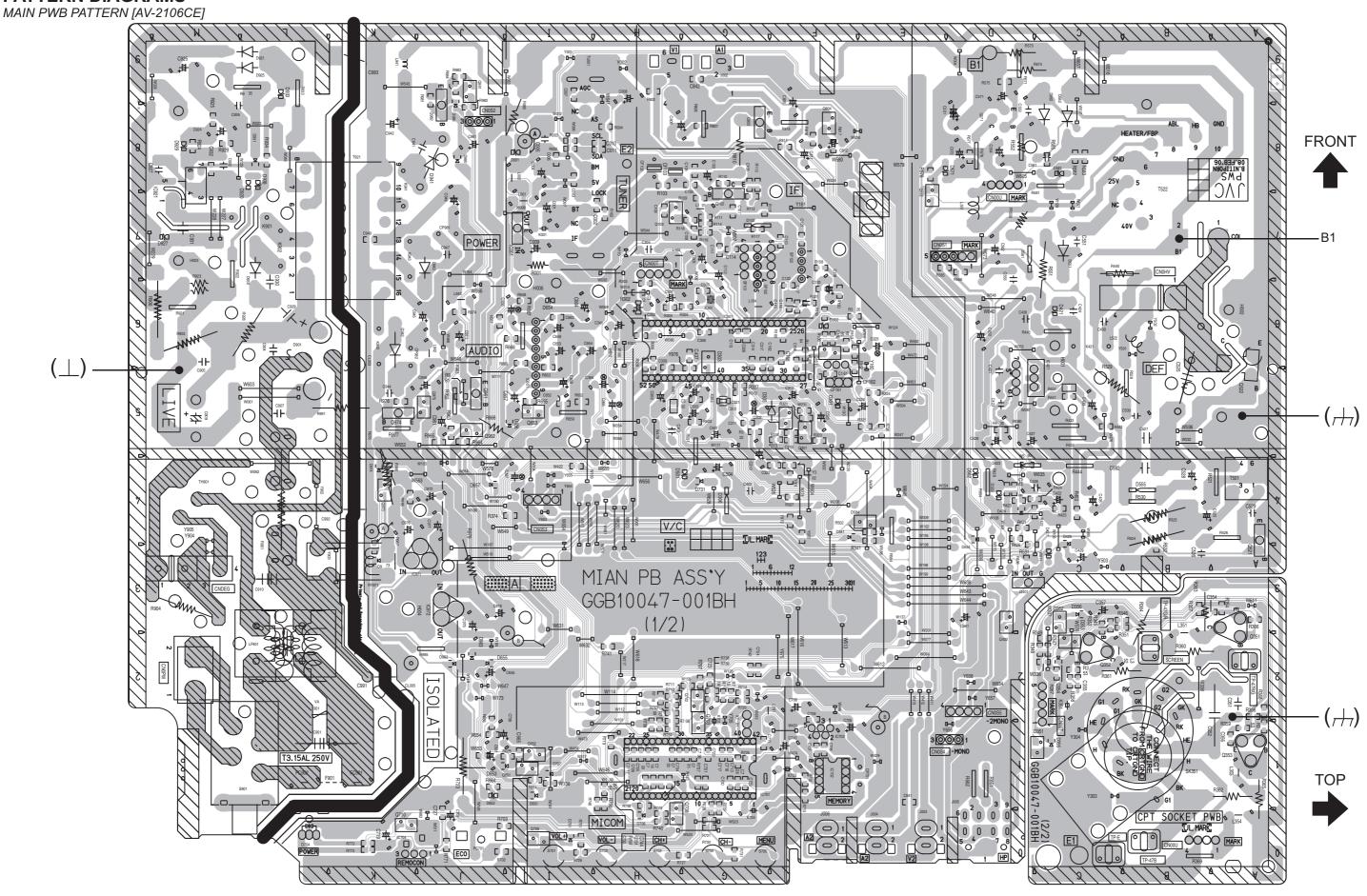


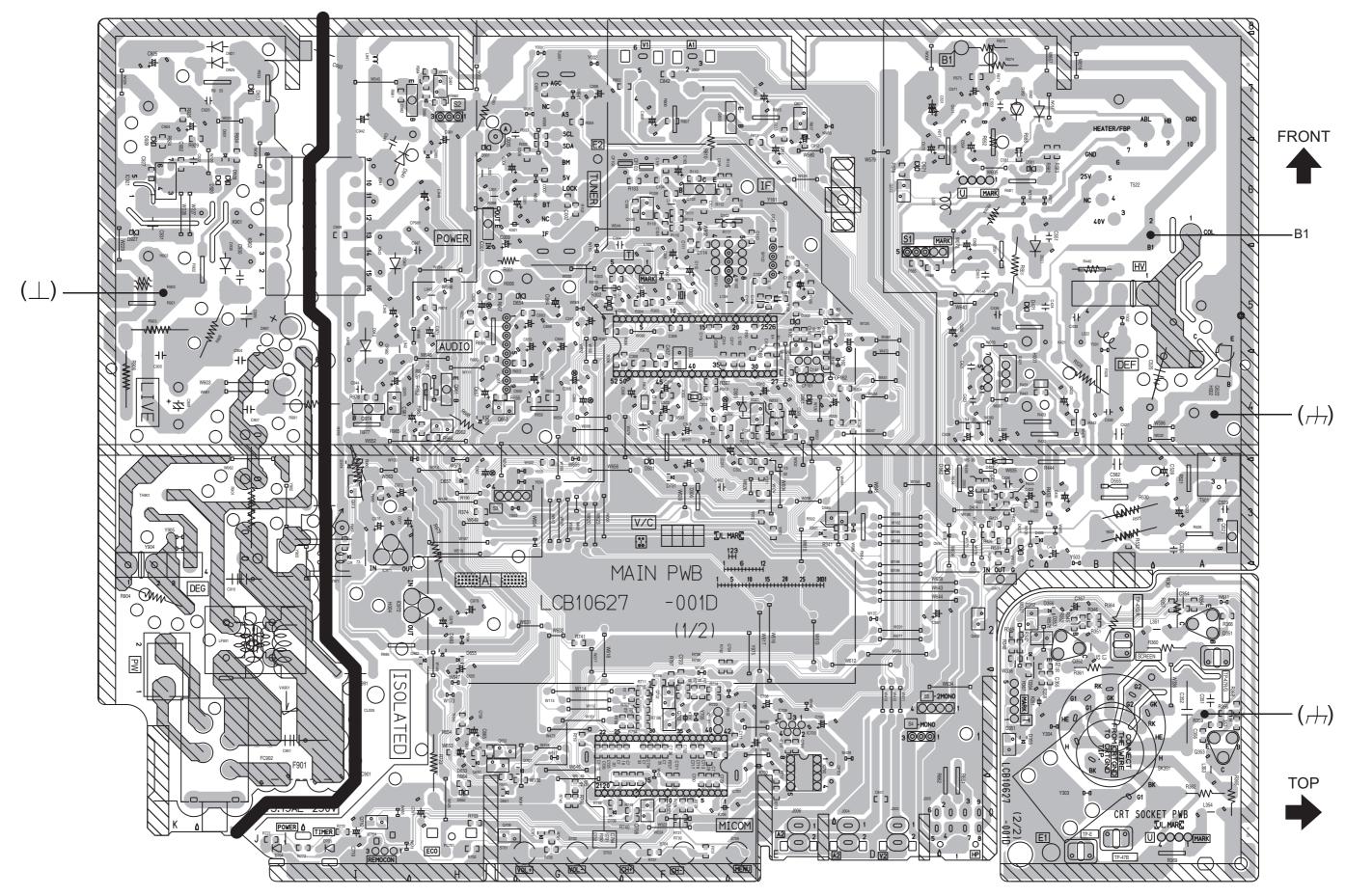






PATTERN DIAGRAMS





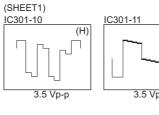
VOLTAGE CHARTS

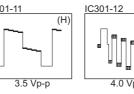
MAIN P	DC (V)	MODE	DC (V)	MODE DC	(V
IN NO.	23 (V)	PIN NO.		PIN NO.	(4)
C301	\vdash	26	0	Q651	_
2	4.4	27	4.1	C	0
3	6.3	29	4.9	В	0.3
4	3.4	30	0	Q652	_
5	0	31	0	E	0
6	5.0	32	0	С	1.0
7	5.0	33	0	В	0.6
8	5.5	34	4.9	Q653	
9	9.0	35	4.7		5.1
10	3.0	36	4.9	С	0
11	3.0	37	4.4		5.2
12	3.0	38	4.4	Q702 E	0
14	2.8	40	4.9		4.2
15	4.2	41	2.1	В	0
16	9.0	42	0	Q703	_
17	3.8	IC702		E	0
18	2.8	1	0		4.8
19	2.8	2	0		0.1
20	0	3	0	Q708	
21	0	4	0	E	0
22	0	5	4.9		2.0
23	4.4	6	4.9	В	С
24	3.2	7	0	Q710	_
25	3.0	8	4.9	E	0
26 27	3.5 4.2	IC703	14.4	B	0.1
28	3.7	2	5.8	Q803	
29	4.1	3	0	E	0
30	3.9	4	4.9		8.1
31	4.2	5	4.9		4.7
32	4.2	IC704	Ĺ	Q804	_
33	9.0	1	4.5	E	0
34	4.0	2	4.9	С	0
35	4.7	3	0		0.1
36	4.0	IC921		Q974	
37	6.1	1	314.0		5.3
38	4.2	2	NC		5.1
39	4.3	3	0	В	0
40 41	2.7	5	31.8	Q975 E	_
42	6.2 1.0	6	0		0.1
43	3.7	7	0.7		4.3
44	3.9	IC971		TU001	
45	1.2	1	12.8	1 .	4.6
46	3.1	2	9.0	2	NC
47	5.4	3	0	3	0
48	5.0	IC972			4.4
49	0.7	1	9.2	5	0
50	0	2	4.9		4.5
51	4.4	3	0		4.9
52 3421	0.7	Q102 E	0	9 3	1.3
1	3.7	C	9.0		NC
2	26.0	В	2.3	11	0
3	2.0	Q103	2.0		_
4	0	E	0		
5	13.8	С	0		
6	26.3	В	4.0		
7	3.7	Q161			
2651		E	2.5		
1	12.5	С	8.3		
2	5.6	B	3.2		
3	0	Q301	4.0		
5	9.4	C	4.6		
6	9.6	В	4.0		
7	0	Q302	1.0		
8	9.7	E	4.0		
9	19.9	С	9.0		
C701		В	4.6		
1	4.5	Q401			
2	4.9	E	0		
3	0	С	0		
4	0	B 0403	5.4		
5	4.0	Q402	_		
7	4.9	C	4 9		
8	4.9 2.3	В	4.9		
	3.0	Q521	<u> </u>		
9	-	E	0		
9	4.91		9.7		
10	4.9	С			
10 11	0	С	_		
10 11 12	0	C B	0.3		
10 11	0 0 2.4	С	_		
10 11 12 13	0	C B Q522	0.3		
10 11 12 13 14	0 0 2.4 0.1	C B Q522 E	0.3		
10 11 12 13 14 15	0 0 2.4 0.1 1.8	C B Q522 E C	0.3 0 115.3		
10 11 12 13 14 15 16	0 0 2.4 0.1 1.8 1.8	C B Q522 E C	0.3 0 115.3		
10 11 12 13 14 15 16 17	0 2.4 0.1 1.8 1.8	C B Q522 E C B Q571 E	0.3 0 115.3 0 115.5		
0 1 2 3 4 5 6 7 8	0 0 2.4 0.1 1.8 1.8 0 0.8 0	C B Q522 E C B Q571 E C B	0.3 0 115.3 0		
10 11 12 13 14 15 16 17 18 19 20	0 0 2.4 0.1 1.8 1.8 0 0.8 0 4.9	C B Q522 E C B Q571 E C B	0.3 0 115.3 0 115.5 0 115.1		
10 11 12 13 14 15 16 17 18 19 20 21	0 0 2.4 0.1 1.8 1.8 0 0.8 0 4.9 4.9	C B Q522 E C B Q571 E C B Q572 E	0.3 0 115.3 0 115.5 0 115.1		
10 11 12 13 14 15 16 17 18 19 20 21	0 0 2.4 0.1 1.8 1.8 0 0.8 0 4.9	C B Q522 E C B Q571 E C B	0.3 0 115.3 0 115.5 0 115.1		

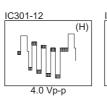
<crt sc<="" th=""><th>CKET</th><th>PWB></th></crt>	CKET	PWB>
MODE PIN NO.	DC (V)	
Q351		
E	2.5	
С	125.8	
В	3.2	
Q352		
E	2.6	
С	123.3	
В	3.3	
Q353		
E	2.5	
С	128.5	
В	3.2	

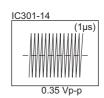
WAVEFORMS

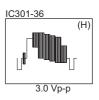
-MAIN PWB-

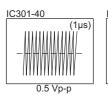


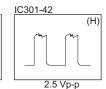


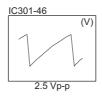


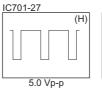


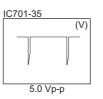


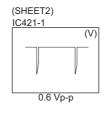


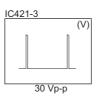


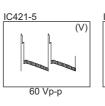


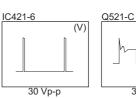


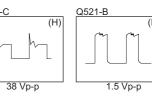


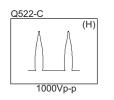


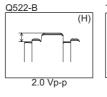






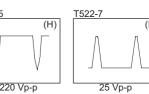


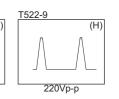




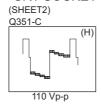


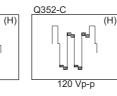


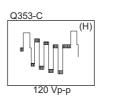




-CRT SOCKET PWB-











Victor Company of Japan, Limited CRT Display Category 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

PARTS LIST

CAUTION

- The parts identified by the △ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

	RESISTORS		CAPACITORS
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

	RESISTORS											
F	F G J K M N R H Z P											
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%			

CONTENTS

USING P.W. BOARD & REMOTE CONTROL UNIT	3-3
EXPLODED VIEW PARTS LIST -1 [AV-2106CE]	3-3
EXPLODED VIEW -1 [AV-2106CE]	3-4
EXPLODED VIEW PARTS LIST -2 [AV-21F16, AV-21FMG6/G, AV-21FMG6B/G]	
EXPLODED VIEW -2 [AV-21F16, AV-21FMG6/G, AV-21FMG6B/G]	
PRINTED WIRING BOARD PARTS LIST [AV-2106CE]	3-7
MAIN P.W. BOARD ASS'Y (SCG-1517A-H2)	3-7
PRINTED WIRING BOARD PARTS LIST [AV-21F16]	3-10
MAIN P.W. BOARD ASS'Y (SCG-1541A-H2)	3-10
PRINTED WIRING BOARD PARTS LIST [AV-21FMG6/G]	3-13
MAIN P.W. BOARD ASS'Y (SCG-1542A-H2)	3-13
PRINTED WIRING BOARD PARTS LIST [AV-21FMG6B/G]	3-16
MAIN P.W. BOARD ASS'Y (SCG-1543A-H2)	3-16
REMOTE CONTROL UNIT PARTS LIST (RM-C360GY-1H)	3-19
PACKING [AV-2106CE]	3-19
PACKING PARTS LIST [AV-2106CE]	3-19
PACKING [AV-21F16, AV-21FMG6/G, AV-21FMG6B/G]	
PACKING PARTS LIST IAV-21F16 AV-21FMG6/G AV-21FMG6B/G1	

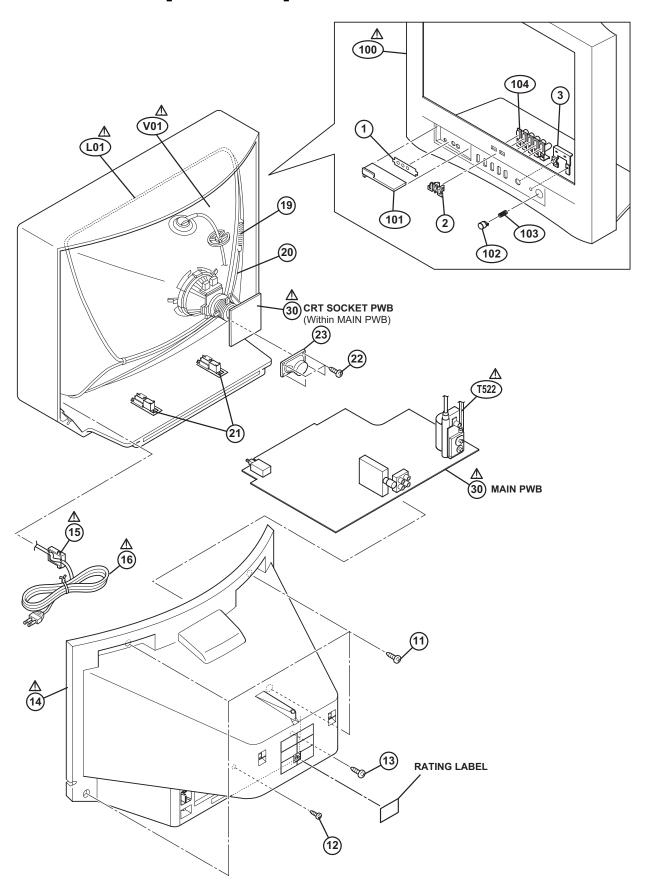
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y	AV-2106CE	AV-21F16	AV-21FMG6/G	AV-21FMG6B/G
MAIN P.W.B	SCG-1517A-H2	SCG-1541A-H2	SCG-1542A-H2	SCG-1543A-H2
REMOTE CONTROL UNIT	RM-C360GY-1H	←	←	←

EXPLODED VIEW PARTS LIST -1 [AV-2106CE]

\triangle	Ref.No.	Part No.	Part Name	Description	Local
<u>^</u>	V01 L01 T522	A51MBA11X05AN05 QQW0125-001 QQH0195-002	PICTURE TUBE(ITC) DEG COIL FB TRANSF	Inc.DEF YOKE, PC MAGNET	
<u>^</u>	1 2 3 11 12 13 14 15 16 19 20 21 22 23	GG30079-003A-H GG40040-001A-H GG30076-001A-H QYSBSFG4016ZA QYSBSF3010ZA QYSBSF4012ZA GG10265-007A-H CM47005-A01-H QMPR340-165-K2 A48457-3-H WJY0008-006A-E CM36623-003-H QYSBSF4012ZA QAS0054-001	AV SHEET JVC MARK LED LENS TAP SCREW TAP SCREW TAP SCREW REAR COVER POWER CORD CLAMP POWER CORD SPRING BRAIDED ASS'Y CHASSIS RAIL TAP SCREW SPEAKER	M4 x 16mm(x4) M3 x 10mm M4 x 12mm 1.65m BLACK (x2) M4 x 12mm(x4) SP01	
⚠	30	SCG-1517A-H2	MAIN PWB		
⚠	100 101 102 103 104	GG10263-011A-H GG20053-001B-H GG30077-001B-H CM35235-006-H GG20052-001A-H	FRONT CABINET ASS'Y DOOR POWER KNOB SPRING CONTROL KNOB	Inc.101,102,103,104	

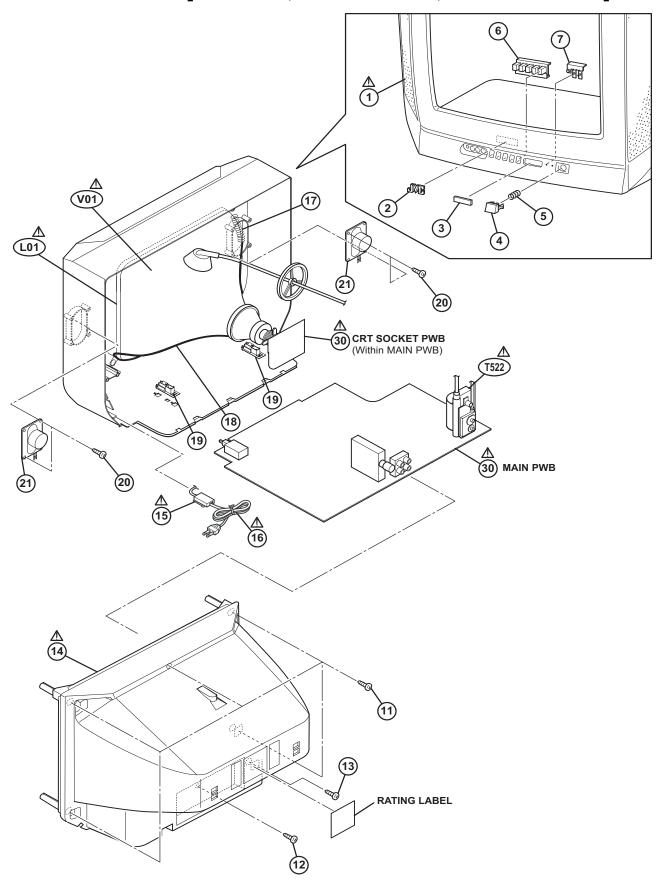
EXPLODED VIEW -1 [AV-2106CE]



EXPLODED VIEW PARTS LIST -2 [AV-21F16, AV-21FMG6/G, AV-21FMG6B/G]

⚠	Ref.No.	Part No.	Part Name	Description	Local
<u>^</u> <u>^</u> <u>^</u>	V01 L01 T522	A51LZM10X06AN25 QQW0006-001 QQH0170-001	PICTURE TUBE(ITC) DEG COIL FB TRANSF	Inc.DEF YOKE, PC MA	AGNET
<u>^</u>	1 1 2 3	LC10394-045A-H LC10394-046A-H CM48006-007-C LC30617-001C-H	FRONT CABINET FRONT CABINET JVC MARK E.E.WINDOW		AV-21F16,AV-21FMG6G AV-21FMG6BG
	4	LC30616-004A-H LC30616-001B-H CM35235-006-H	POWER KNOB POWER KNOB SPRING		AV-21F16,AV-21FMG6G AV-21FMG6BG
	4 5 6 6 7	LC20292-004A-H LC20292-001A-H LC30618-001B-H	CONTROL KNOB CONTROL KNOB LED LENS		AV-21F16,AV-21FMG6G AV-21FMG6BG
<u>^</u>	11 12 13 14 15	QYSBSFG4016ZA QYSBSF3010ZA QYSBSBG4016ZA QYSBSBG4016ZA LC10448-015B-H CM47005-A01-H	TAP SCREW TAP SCREW TAP SCREW TAP SCREW REAR COVER POWER CORD CLAMP	M4 x 16mm(x5) M3 x 10mm M4 x 16mm	
Δ	16 17 18	QMPR340-165-K2 A48457-3-H WJY0008-006A-E	POWER CORD SPRING BRAIDED ASS'Y	1.65m BLACK	
	19 20 21 21	CM36623-003-H QYSBSF4012ZA QAS0151-001 QAS0432-001	CHASSIS RAIL TAP SCREW SPEAKER SPEAKER	(x2) M4 x 12mm(x4) (x2)SP01, SP02 (x2)SP01, SP02	AV-21F16,AV-21FMG6BG AV-21FMG6G
<u>^</u> <u>^</u> <u>^</u>	30 30 30	SCG-1541A-H2 SCG-1542A-H2 SCG-1543A-H2	MAIN PWB MAIN PWB MAIN PWB		AV-21F16 AV-21FMG6G AV-21FMG6BG

EXPLODED VIEW -2 [AV-21F16, AV-21FMG6/G, AV-21FMG6B/G]



PRINTED WIRING BOARD PARTS LIST [AV-2106CE]

MAIN	P.W. BOARD A	SS'Y (SCG-151	7A-H2)	⚠Ref No.	Part No.	Part Name	Description Local
⚠Ref No.	Part No.	Part Name	Description Local	C004	QETN1CM-477Z	E CAPACITOR	470uF 16V M
-				C005	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J
IC301	NN5198K	IC		C008	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
IC421 IC651	LA78040N AN5265	IC IC		C103 C104	QETN1EM-476Z NCB31HK-472X	E CAPACITOR C CAPACITOR	47uF 25V M 4700pF 50V K
IC701	MN1873287JK1	IC(MCU)		C105	NCB31HK-472X	C CAPACITOR	4700pF 50V K
IC702	ATE08-21YMG6	IC	(SERVICE)	C106	NCB31HK-472X	C CAPACITOR	4700pF 50V K
IC703 IC704	L78LR05E-MA GP1UM281QK	IC IR DETECT UNIT	38kHz	C107 C110	NCB31HK-472X NRSA63J-0R0X	C CAPACITOR MG RESISTOR	4700pF 50V K 0Ω 1/16W J
IC921	STR-W5753A/F5	IC	OOM IL	C112	QETN1EM-476Z	E CAPACITOR	47uF 25V M
IC971	L7809CP	IC IC		C113	NCB31HK-472X	C CAPACITOR	4700pF 50V K
IC972	L7805CP	IC		C114 C115	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K
Q102	2SC5397/CD/-T	TRANSISTOR		C116	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q301 Q302	2SA1530A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		C117 C119	QFVF1HJ-224Z QETN1HM-474Z	MF CAPACITOR E CAPACITOR	0.22uF 50V J 0.47uF 50V M
Q302 Q351	2SC4212/Z1/	TRANSISTOR		C120	NDC31HJ-121X	C CAPACITOR	120pF 50V J
Q352	2SC4212/Z1/	TRANSISTOR		C121	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q353 Q401	2SC4212/Z1/ DTC124ESA-T	TRANSISTOR DIGI TRANSISTOR		C122 C162	NCB31HK-103X NCB31HK-152X	C CAPACITOR C CAPACITOR	0.01uF 50V K 1500pF 50V K
Q402	2SC3928A/QR/-X	TRANSISTOR		C301	NCB31HK-681X	C CAPACITOR	680pF 50V K
Q521	2SC2655/Y/-T	TRANSISTOR		C302	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
∆ Q522 Q571	2SD2627-YB11 2SA1208/ST/Z1-T	POW TRANSISTOR TRANSISTOR		C303 C304	NDC31HJ-100X QFVF1HJ-474Z	C CAPACITOR MF CAPACITOR	10pF 50V J 0.47uF 50V J
Q572	2SC3928A/QR/-X	TRANSISTOR		C305	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M
Q651	2SC3928A/QR/-X	TRANSISTOR		C306	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q652 Q653	2SC3928A/QR/-X 2SA1530A/QR/-X	TRANSISTOR TRANSISTOR		C307 C308	QETN1CM-477Z QETN1CM-107Z	E CAPACITOR E CAPACITOR	470uF 16V M 100uF 16V M
Q702	2SC3928A/QR/-X	TRANSISTOR		C309	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q703	2SC3928A/QR/-X UN2212-X	TRANSISTOR		C310	NDC31HJ-221X	C CAPACITOR	220pF 50V J 0.01uF 50V K
Q708 Q710	UN2212-X UN2212-X	DIGI TRANSISTOR DIGI TRANSISTOR		C311 C312	NCB31HK-103X QENC1HM-474Z	C CAPACITOR BP E CAPACITOR	0.47uF 50V K
Q803	KTC3199/YG/-T	TRANSISTOR		C313	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M
Q804 Q974	2SC3928A/QR/-X	TRANSISTOR		C314 C315	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q974 Q975	2SA966/OY/-T UN2212-X	TRANSISTOR DIGI TRANSISTOR		C316	QETN1CM-107Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	100uF 16V M 10uF 50V M
				C317	NCB31EK-473X	C CAPACITOR	0.047uF 25V K
D001 D301	MTZJ33A-T2 MTZJ9.1B-T2	Z DIODE Z DIODE		C321 C322	NDC31HJ-120X NCB31EK-273X	C CAPACITOR C CAPACITOR	12pF 50V J 0.027uF 25V K
D301	MTZJ9.1B-T2	Z DIODE		C323	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M
D303	MA3091/M/-X	Z DIODE		C324	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D305 D306	1K4-T2 QRE121J-561Y	SB DIODE C RESISTOR	560Ω 1/2W J	C325 C326	QENC1HM-106Z NCS21HJ-221X	BP E CAPACITOR C CAPACITOR	10uF 50V M 220pF 50V J
D306	or QRE122J-561	C RESISTOR	560Ω 1/2W J	C341	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D306	or QRG01GJ-561	OMF RESISTOR	560Ω 1W J	C351	QCZ0121-102	C CAPACITOR	1000pF 3KV Z
D341 D421	MA111-X MTZJ75-T2	SI DIODE Z DIODE		C354 C355	NDC31HJ-271X NDC31HJ-221X	C CAPACITOR C CAPACITOR	270pF 50V J 220pF 50V J
D423	1SR124-400A-T2	SI DIODE		C356	NDC31HJ-331X	C CAPACITOR	330pF 50V J
D425 D427	MA111-X MTZJ27B-T2	SI DIODE Z DIODE		C357 C365	QETN1AM-477Z QENC1HM-105Z	E CAPACITOR BP E CAPACITOR	470uF 10V M 1uF 50V M
D501	MTZJ6.8C-T2	Z DIODE Z DIODE		C366	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
D551	FR105GT-T3	SI DIODE		C367	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
D552 D553	FR105GT-T3 MTZJ9.1B-T2	SI DIODE Z DIODE		C401 C423	QFVF1HJ-474Z QCS32HJ-180Z	MF CAPACITOR C CAPACITOR	0.47uF 50V J 18pF 500V J
D554	MA111-X	SI DIODE		C424	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J
D571	MTZJ7.5S-T2	Z DIODE		C426	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J
D581 D582	MTZJ20B-T2 FR105GT-T3	Z DIODE SI DIODE		C427 C428	QETN1VM-107Z QETN1VM-107Z	E CAPACITOR E CAPACITOR	100uF 35V M 100uF 35V M
D651	MA111-X	SI DIODE		C429	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D652 D653	MTZJ12C-T2 MA111-X	Z DIODE SI DIODE		C430 C433	QFN32AJ-472Z QEHR1HM-475Z	M CAPACITOR E CAPACITOR	4700pF 100V J 4.7uF 50V M
D654	MTZJ12C-T2	Z DIODE		C435	QETM1EM-228	E CAPACITOR	2200uF 25V M
D655	MA111-X	SI DIODE		C436	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J
D656 D657	MA111-X MA111-X	SI DIODE SI DIODE		C437 C501	NCB31HK-104X QETN1EM-476Z	C CAPACITOR E CAPACITOR	0.1uF 50V K 47uF 25V M
D704	SPR-39MVWF	LED	POWER,ON TIMER(RED-GREEN)	C502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D707	MA111-X	SI DIODE		C503	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D731 D920	MA111-X 1SS133-T2	SI DIODE SI DIODE		C523 C525	QETN1EM-476Z QFZ0200-942	E CAPACITOR MPP CAPACITOR	47uF 25V M 9400pF 1.5kV H
D921	FR105GT-T3	SI DIODE		C526	QFLC1HJ-822Z	M CAPACITOR	8200pF 50V J
D925 D927	FR105GT-T3	SI DIODE Z DIODE		C527	QFZ0197-304	MPP CAPACITOR	0.3uF 250V J
D927 D928	MTZJ36A-T2 MTZJ3.3A-T2	Z DIODE Z DIODE		C529 C530	QFLC1HJ-332Z QCB32HK-561Z	M CAPACITOR C CAPACITOR	3300pF 50V J 560pF 500V K
D930	FR107GT-T3	SI DIODE		C531	QEZ0203-107	E CAPACITOR	100uF 160V M
D931	MA111-X	SI DIODE		C552	QETM1VM-108	E CAPACITOR	1000uF 35V M
D933 D941	MTZJ16C-T2 RU3AM-LFC4	Z DIODE SI DIODE		C554 C555	QETN2EM-475Z QFLC2AJ-104Z	E CAPACITOR M CAPACITOR	4.7uF 250V M 0.1uF 100V J
D942	ERC30-02L38E	SI DIODE		C571	QETN1AM-107Z	E CAPACITOR	100uF 10V M
D943	FR105GT-T3	SI DIODE		C572	QETN1EM-476Z	E CAPACITOR	47uF 25V M
D982 D983	MA111-X MA111-X	SI DIODE SI DIODE		C581 C652	QFVF1HJ-104Z NCB31HK-473X	MF CAPACITOR C CAPACITOR	0.1uF 50V J 0.047uF 50V K
			/A = =0:::	C653	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C001 C002	QETN1HM-106Z NCB31HK-103X	E CAPACITOR C CAPACITOR	10uF 50V M 0.01uF 50V K	C654 C655	QETN1CM-477Z	E CAPACITOR E CAPACITOR	470uF 16V M
0002	140P9 H II/- 109V	OUALACTION	U.UTUI JUV K	C033	QETN1HM-106Z	LUAFAUITUR	10uF 50V M

Ref No.	Part No.	Part Name	Description Local	ÆRef No.	Part No.	Part Name	Description Local
C656 C657	QENC1HM-105Z	BP E CAPACITOR E CAPACITOR	1uF 50V M	R321 R322	NRSA63J-152X NRSA63J-272X	MG RESISTOR MG RESISTOR	1.5kΩ 1/16W J
C658	QETN1EM-107Z QETN1EM-227Z	E CAPACITOR	100uF 25V M 220uF 25V M	R323	NRSA63J-103X	MG RESISTOR	2.7kΩ 1/16W J 10kΩ 1/16W J
C659	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R324	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C663	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R326	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C664	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R327	NRSA63J-475X	MG RESISTOR	4.7MΩ 1/16W J
C665	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R341	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C705	QETN1CM-477Z	E CAPACITOR	470uF 16V M	R347	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
C706	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R349	NRSA63J-472X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J
C707	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R351	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C708	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	R352	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C709	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R353	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C710	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R354	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C711	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R355	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R356	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C713	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R357	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C716 C717	NDC31HJ-181X	C CAPACITOR	180pF 50V J	R358 R359	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J
C718	NDC31HJ-181X NCB31HK-103X	C CAPACITOR C CAPACITOR	180pF 50V J 0.01uF 50V K	R360	QRZ0107-152Z	C RESISTOR	100Ω 1/16W J 1.5kΩ 1/2W K
C719	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R361	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
C720	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R362	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
C721	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	R363	QRL029J-123	OMF RESISTOR	12kΩ 2W J
C722	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R364	QRL029J-123	OMF RESISTOR	12kΩ 2W J
C724	NDC31HJ-560X	C CAPACITOR	56pF 50V J	R365	QRL029J-123	OMF RESISTOR	12kΩ 2W J
C727	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R366	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C728	NDC31HJ-181X	C CAPACITOR	180pF 50V J	R367	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C729	NDC31HJ-181X	C CAPACITOR	180pF 50V J	R368	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C730	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R374	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C744	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R401	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
C805	QETN1CM-227Z	E CAPACITOR	220uF 16V M	R421	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C806	QETN1CM-477Z	E CAPACITOR	470uF 16V M	R423	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C811	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R424	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C841 ΔC901	NCB31HK-152X	C CAPACITOR MM CAPACITOR	1500pF 50V K	R425	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
 ∆C904	QFZ9073-224 QCZ9054-102	C CAPACITOR	0.22uF AC250V M 1000pF AC250V Z	R426 R429	NRSA63J-0R0X NRSA63J-103X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 10kΩ 1/16W J
∆ C905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R430	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
∆ C907	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R431	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
C909	QEZ0633-127	E CAPACITOR	120uF 450V M	R432	QRE121J-3R9Y	C RESISTOR	3.9Ω 1/2W J
C910	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	R433	QRE121J-2R7Y	C RESISTOR	2.7Ω 1/2W J
C922	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	R436	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C924	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R440	QRE121J-471Y	C RESISTOR	470Ω 1/2W J
C925	QETN1VM-476Z	E CAPACITOR	47uF 35V M	R441	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
C926	QFLC1HJ-332Z	M CAPACITOR	3300pF 50V J	R442	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C927	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	R443	QRE121J-1R0Y	C RESISTOR	1Ω 1/2W J
C929	QFKA2JK-103	MM CAPACITOR	0.01uF 630V K	R453	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C931	QCZ0364-681	C CAPACITOR	680pF 2kV K	R502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C932	NDC31HJ-221X	C CAPACITOR	220pF 50V J	R503	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C941	QCZ0364-561	C CAPACITOR	560pF 2kV K	R521	QRE121J-560Y	C RESISTOR	56Ω 1/2W J
C942	QEZ0203-107	E CAPACITOR	100uF 160V M	R525	QRL029J-330	OMF RESISTOR	33Ω 2W J
C944	QCB32HK-222Z	C CAPACITOR	2200pF 500V K	R526	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
C945	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M	R528	QRE121J-471Y	C RESISTOR	470Ω 1/2W J
C946	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R529	QRL039J-681	OMF RESISTOR	680Ω 3W J
C947	QCB32HK-222Z	C CAPACITOR	2200pF 500V K	R531	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C948	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R532	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C949	NDC31HJ-471X	C CAPACITOR	470pF 50V J	∆ R551	QRX029J-R47	MF RESISTOR	0.47Ω 2W J
C976	QETN1EM-227Z	E CAPACITOR	220uF 25V M	R552	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
C977	QETN1CM-227Z	E CAPACITOR	220uF 16V M	R554	QRE121J-681Y	C RESISTOR	680Ω 1/2W J
C978	QETN1EM-227Z	E CAPACITOR	220uF 25V M	R571	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
C979	QETN1AM-227Z	E CAPACITOR	220uF 10V M	R573	QRT029J-1R5	MF RESISTOR	1.5Ω 2W J
∆ C991	QCZ9071-102	C CAPACITOR	1000pF AC400V M	R574	QRT029J-1R5	MF RESISTOR	1.5Ω 2W J
∆C992	QCZ9071-102	C CAPACITOR	1000pF AC400V M	R576	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
∆C993	QCZ9071-102	C CAPACITOR	1000pF AC400V M	R577	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
			•	R578	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R002	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R581	QRE121J-182Y	C RESISTOR	1.8kΩ 1/2W J
R003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R582	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R004	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R583	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R102	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R651	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R103	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R652	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R109	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R653	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R110	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R654	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R111	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R655	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R112	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R656	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R657	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R120	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R658	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R121	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R659	QRE121J-4R7Y	C RESISTOR	4.7Ω 1/2W J
R159	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	R660	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R301	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R661	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
R302	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R662	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
R303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R664	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R665	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R306	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R667	QRE121J-101Y	C RESISTOR	100Ω 1/2W J
R307	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	R668	QRT029J-5R6	MF RESISTOR	5.6Ω 2W J
R308	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R706	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R312	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R707	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R313	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R708	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R314	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R709	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J

ΔRef No.	Part No.	Part Name	Description Local	ΔRef No.	Part No.	Part Name	Description Local
R710 R711 R712 R713 R714 R715 R716 R718 R719 R720 R721 R723 R725 R726 R727 R728 R729 R730 R731 R736 R737 R738 R739 R740 R741 R742 R748 R749 R771 R772 R773 R796 R740 R741 R742 R748 R749 R771 R772 R773 R796 R791 R802 R806 R807 R810 R811 R815 R816 R817 R802 R806 R807 R810 R811 R815 R816 R817 R901 R811 R815 R816 R817 R901 R822 R828 R933 R904 R906 R921 R922 R923 R924 R925 R928 R933 R934 R935 R977 R978 R979 R8980 \$\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\textstyle{\text	NRSA63J-472X NRSA63J-472X NRSA63J-472X NRSA63J-472X NRSA63J-472X NRSA63J-472X NRSA63J-221X NRSA63J-221X NRSA63J-102X NRSA63J-103X NRSA6	MG RESISTOR OMF RESISTOR C RESISTOR	4.7kΩ 1/16W J 220Ω 1/16W J 220Ω 1/16W J 220Ω 1/16W J 560Ω 1/16W J 16Ω 1/16W J 17Ω 1/16W J	K942 K943 ALF901 S701 S702 S703 S704 S705 AS901 SF102 SF122 ASK351 ATH901 TU001 X301 X302 X701	QQR1113-001Z QQR1113-001Z QQR0527-002 QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0750-001 QAX0666-002 QAX0325-001 QNZ0536-002 QAD0121-9R0 QAU0246-002 QAF0072-621 QAX0860-001Z QAX0884-001 LC30349-001A-H	FERRITE BEADS FERRITE BEADS FERRITE BEADS LINE FILTER PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH SAW FILTER SAW FILTER CRT SOCKET P THERMISTOR TUNER VARISTOR CRYSTAL C RESONATOR LED HOLDER	VOL+ VOL- CH- MENU POWER 9Ω 620V 4.433619MHz 3.579545MHz 12.000MHz
L001 L101 L103 L522 L551 L701 L941 L942 L943 T501 ▲T921	QQL244K-8R2Z QQL244J-2R2Z QQL244K-8R2Z QQR1005-002 QQLZ026-300 QQL244J-5R6Z QQL26AK-820Z QQL244J-4R7Z QQL244J-4R7Z QQR1244-001 QQS0213-001	PEAKING COIL PEAKING COIL PEAKING COIL LINEARITY COIL COIL COIL CHOKE COIL PEAKING COIL PEAKING COIL DRIVE TRANSF SW TRANSF	8.2uH K 2.2uH J 8.2uH K 30uH ±7% 5.6uH J 82uH K 4.7uH J 4.7uH J				
⚠CP981 ⚠CP982 ⚠F901 J002 J003 J004 J005 K351 K421 K901 K902 K941	ICP-N50-T ICP-N75-T QMF51E2-3R15-S QNN0384-001 QNN0281-003 QNN0281-002 QNS0197-001 QQR0621-002Z QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR1113-001Z	IC PROTECTOR IC PROTECTOR FUSE PIN JACK PIN JACK PIN JACK 3.5 JACK FERRITE BEADS	2.0A 2.7A 3.15A AC250V VIDEO AUDIO INOUT(REAR) VIDEO IN(FRONT) AUDIO IN(FRONT) HEADPHONE				

PRINTED WIRING BOARD PARTS LIST [AV-21F16] MAIN PW BOARD ASS'Y (SCG-1541A-H2) ARef No. Part No. Part

MAIN	AIN P.W. BOARD ASS'Y (SCG-1541A-H2)		ÆRef No.	Part No.	Part Name	Description Local	
⚠Ref No.	Part No.	Part Name	Description Local		OFT.14014 4777	E OADAOITOD	470 5 40)/14
				C004	QETN1CM-477Z	E CAPACITOR	470uF 16V M 0.1uF 50V J
IC301	NN5198K	IC		C005 C008	QFVF1HJ-104Z QETN1HM-475Z	MF CAPACITOR E CAPACITOR	4.7uF 50V J
IC421	LA78040N	iC		C103	QETN1FM-476Z	E CAPACITOR	47uF 25V M
IC651	AN5265	IC		C104	NCB31HK-472X	C CAPACITOR	4700pF 50V K
IC701	MN1873287JL1	IC		C105	NCB31HK-472X	C CAPACITOR	4700pF 50V K
IC702	ATE08-21YMG6	IC	(SREVICE)	C106	NCB31HK-472X	C CAPACITOR	4700pF 50V K
IC703 IC704	L78LR05E-MA	IC IR DETECT UNIT	38kHz	C107	NCB31HK-472X	C CAPACITOR	4700pF 50V K
IC704	GP1UM281QK STR-W5753A/F5	IC IC ONIT	JOKEZ	C110 C112	NRSA63J-0R0X QETN1EM-476Z	MG RESISTOR E CAPACITOR	0Ω 1/16W J 47uF 25V M
IC971	L7809CP	iC		C112	NCB31HK-472X	C CAPACITOR	4700pF 50V K
IC972	L7805CP	iC		C114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
				C115	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q102	2SC5397/CD/-T	TRANSISTOR		C116	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q301 Q302	2SA1530A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		C117 C119	QFVF1HJ-224Z QETN1HM-474Z	MF CAPACITOR E CAPACITOR	0.22uF 50V J 0.47uF 50V M
Q302 Q351	2SC4212/Z1/	TRANSISTOR		C120	NDC31HJ-121X	C CAPACITOR	120pF 50V J
Q352	2SC4212/Z1/	TRANSISTOR		C121	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q353	2SC4212/Z1/	TRANSISTOR		C122	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q401	DTC124ESA-T	DIGI TRANSISTOR		C162	NCB31HK-152X	C CAPACITOR	1500pF 50V K
Q402 Q521	2SC3928A/QR/-X 2SC2655/Y/-T	TRANSISTOR TRANSISTOR		C301	NCB31HK-681X	C CAPACITOR	680pF 50V K
	2SD2627-YB11	POW TRANSISTOR		C302 C303	QETN1HM-475Z NDC31HJ-100X	E CAPACITOR C CAPACITOR	4.7uF 50V M 10pF 50V J
Q571	2SA1208/ST/Z1-T	TRANSISTOR		C304	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J
Q572	2SC3928A/QR/-X	TRANSISTOR		C305	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M
Q651	2SC3928A/QR/-X	TRANSISTOR		C306	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q652	2SC3928A/QR/-X	TRANSISTOR		C307	QETN1CM-477Z	E CAPACITOR	470uF 16V M
Q653 Q702	2SA1530A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		C308 C309	QETN1CM-107Z NCB31HK-103X	E CAPACITOR C CAPACITOR	100uF 16V M 0.01uF 50V K
Q702 Q703	2SC3928A/QR/-X	TRANSISTOR		C310	NDC31HJ-221X	C CAPACITOR C CAPACITOR	220pF 50V J
Q708	UN2212-X	DIGI TRANSISTOR		C311	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q803	KTC3199/YG/-T	TRANSISTOR		C312	QENC1HM-474Z	BP E CAPACITOR	0.47uF 50V M
Q804	2SC3928A/QR/-X	TRANSISTOR		C313	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M
Q974	2SA966/OY/-T	TRANSISTOR		C314	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q975	UN2212-X	DIGI TRANSISTOR		C315 C316	QETN1CM-107Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	100uF 16V M 10uF 50V M
D001	MTZJ33A-T2	Z DIODE		C317	NCB31EK-473X	C CAPACITOR	0.047uF 25V K
D301	MTZJ9.1B-T2	Z DIODE		C321	NDC31HJ-120X	C CAPACITOR	12pF 50V J
D302	MTZJ9.1B-T2	Z DIODE		C322	NCB31EK-273X	C CAPACITOR	0.027uF 25V K
D303	MA3091/M/-X	Z DIODE		C323	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M
D305 D306	1K4-T2 QRE121J-561Y	SB DIODE C RESISTOR	560Ω 1/2W J	C324 C325	QETN1HM-106Z QENC1HM-106Z	E CAPACITOR BP E CAPACITOR	10uF 50V M 10uF 50V M
D306	or QRE122J-561	C RESISTOR	560Ω 1/2W J	C326	NCS21HJ-221X	C CAPACITOR	220pF 50V J
D306	or QRG01GJ-561	OMF RESISTOR	560Ω 1W J	C341	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D341	MA111-X	SI DIODE		C351	QCZ0121-102	C CAPACITOR	1000pF 3KV Z
D421	MTZJ75-T2	Z DIODE		C354	NDC31HJ-271X	C CAPACITOR	270pF 50V J
D423 D425	1SR124-400A-T2 MA111-X	SI DIODE SI DIODE		C355 C356	NDC31HJ-221X NDC31HJ-331X	C CAPACITOR C CAPACITOR	220pF 50V J 330pF 50V J
D423	MTZJ27B-T2	Z DIODE		C357	QETN1AM-477Z	E CAPACITOR E CAPACITOR	470uF 10V M
D501	MTZJ6.8C-T2	Z DIODE		C365	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
D551	FR105GT-T3	SI DIODE		C366	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
D552	FR105GT-T3	SI DIODE		C367	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
D553 D554	MTZJ9.1B-T2 MA111-X	Z DIODE SI DIODE		C401	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J
D554 D571	MTZJ7.5S-T2	Z DIODE		C423 C424	QCS32HJ-180Z QFLC2AJ-103Z	C CAPACITOR M CAPACITOR	18pF 500V J 0.01uF 100V J
D581	MTZJ20B-T2	Z DIODE		C426	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J
D582	FR105GT-T3	SI DIODE		C427	QETN1VM-107Z	E CAPACITOR	100uF 35V M
D651	MA111-X	SI DIODE		C428	QETN1VM-107Z	E CAPACITOR	100uF 35V M
D652 D653	MTZJ12C-T2 MA111-X	Z DIODE SI DIODE		C429	QETN1HM-106Z	E CAPACITOR M CAPACITOR	10uF 50V M
D653	MTZJ12C-T2	Z DIODE		C430 C433	QFN32AJ-472Z QEHR1HM-475Z	E CAPACITOR	4700pF 100V J 4.7uF 50V M
D655	MA111-X	SI DIODE		C435	QETM1EM-228	E CAPACITOR	2200uF 25V M
D656	MA111-X	SI DIODE		C436	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J
D657	MA111-X	SI DIODE		C437	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
D704	LH22440-T16 LE22440-T16	LED LED	POWER(RED)	C501	QETN1EM-476Z	E CAPACITOR C CAPACITOR	47uF 25V M
D705 D707	MA111-X	SI DIODE	ON TIMER(ORG)	C502 C503	NCB31HK-103X QETN1HM-106Z	E CAPACITOR	0.01uF 50V K 10uF 50V M
D731	MA111-X	SI DIODE		C523	QETN1EM-476Z	E CAPACITOR	47uF 25V M
D920	1SS133-T2	SI DIODE		C525	QFZ0200-103	MPP CAPACITOR	0.01uF 1.5kV H
D921	FR105GT-T3	SI DIODE		C526	QFLC1HJ-822Z	M CAPACITOR	8200pF 50V J
D925	FR105GT-T3	SI DIODE		C527	QFZ0197-564	MPP CAPACITOR	0.56uF 250V J
D927 D928	MTZJ36A-T2 MTZJ3.3A-T2	Z DIODE Z DIODE		C529 C531	QFLC1HJ-332Z	M CAPACITOR E CAPACITOR	3300pF 50V J
D920 D930	FR107GT-T3	SI DIODE		C552	QEZ0203-107 QETM1VM-108	E CAPACITOR E CAPACITOR	100uF 160V M 1000uF 35V M
D931	MA111-X	SI DIODE		C554	QETN2EM-475Z	E CAPACITOR	4.7uF 250V M
D933	MTZJ16C-T2	Z DIODE		C555	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J
D941	RU3AM-LFC4	SI DIODE		C571	QETN1AM-107Z	E CAPACITOR	100uF 10V M
D942	ERC30-02L38E	SI DIODE		C572	QETN1EM-476Z	E CAPACITOR	47uF 25V M
D943	FR105GT-T3	SI DIODE		C581	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J
D982 D983	MA111-X MA111-X	SI DIODE SI DIODE		C652 C653	NCB31HK-473X QETN1HM-106Z	C CAPACITOR E CAPACITOR	0.047uF 50V K 10uF 50V M
D300	WILLIAM	JI DIODE		C654	QETN1CM-477Z	E CAPACITOR E CAPACITOR	470uF 16V M
C001	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C655	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C656	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M

Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
C657 C658	QETN1EM-107Z QETN1EM-227Z	E CAPACITOR E CAPACITOR	100uF 25V M 220uF 25V M	R323 R324	NRSA63J-103X NRSA63J-102X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 1kΩ 1/16W J
C659	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R326	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C663 C664	NCB31HK-102X QETN1CM-107Z	C CAPACITOR E CAPACITOR	1000pF 50V K 100uF 16V M	R327 R341	NRSA63J-475X NRSA63J-332X	MG RESISTOR MG RESISTOR	4.7MΩ 1/16W J 3.3kΩ 1/16W J
C665	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R347	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
C705 C706	QETN1CM-477Z NCB31HK-104X	E CAPACITOR C CAPACITOR	470uF 16V M 0.1uF 50V K	R349 R351	NRSA63J-472X NRSA63J-151X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 150Ω 1/16W J
C707	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R352	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C708 C709	QETN1AM-108Z NCB31HK-103X	E CAPACITOR C CAPACITOR	1000uF 10V M 0.01uF 50V K	R353 R354	NRSA63J-151X NRSA63J-331X	MG RESISTOR MG RESISTOR	150Ω 1/16W J 330Ω 1/16W J
C710	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R355	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C711 C712	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	R356 R357	NRSA63J-331X NRSA63J-101X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 100Ω 1/16W J
C713	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R358	NRSA63J-101X NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C716 C717	NDC31HJ-181X NDC31HJ-181X	C CAPACITOR C CAPACITOR	180pF 50V J 180pF 50V J	R359 R360	QRZ0107-152Z	MG RESISTOR C RESISTOR	100Ω 1/16W J 1.5kΩ 1/2W K
C718	NCB31HK-103X	C CAPACITOR E CAPACITOR	0.01uF 50V K 1uF 50V M	R361 R362	QRZ0107-152Z QRZ0107-152Z	C RESISTOR C RESISTOR C RESISTOR	1.5kΩ 1/2W K 1.5kΩ 1/2W K
C719 C720	QETN1HM-105Z NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R363	QRL029J-123	OMF RESISTOR	12kΩ 2W J
C721 C722	NCB31EK-333X NDC31HJ-101X	C CAPACITOR	0.033uF 25V K	R364 R365	QRL029J-123	OMF RESISTOR	12kΩ 2W J
C724	NDC31HJ-560X	C CAPACITOR C CAPACITOR	100pF 50V J 56pF 50V J	R366	QRL029J-123 NRSA63J-182X	OMF RESISTOR MG RESISTOR	12kΩ 2W J 1.8kΩ 1/16W J
C728 C729	NDC31HJ-181X NDC31HJ-181X	C CAPACITOR C CAPACITOR	180pF 50V J 180pF 50V J	R367 R368	NRSA63J-182X NRSA63J-182X	MG RESISTOR MG RESISTOR	1.8kΩ 1/16W J 1.8kΩ 1/16W J
C730	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R374	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C744 C805	NCB31HK-103X QETN1CM-227Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 220uF 16V M	R401 R421	NRSA02J-103X NRSA63J-472X	MG RESISTOR MG RESISTOR	10kΩ 1/10W J 4.7kΩ 1/16W J
C806	QETN1CM-477Z	E CAPACITOR	470uF 16V M	R423	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C811 C841	QETN1HM-106Z NCB31HK-152X	E CAPACITOR C CAPACITOR	10uF 50V M 1500pF 50V K	R424 R425	NRSA63J-0R0X NRSA63J-332X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 3.3kΩ 1/16W J
 ∆C901	QFZ9073-224	MM CAPACITOR	0.22uF AC250V M	R426	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
∆ C904 ∆ C905	QCZ9054-102 QCZ9054-102	C CAPACITOR C CAPACITOR	1000pF AC250V Z 1000pF AC250V Z	R429 R430	NRSA63J-103X NRSA63J-823X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 82kΩ 1/16W J
∆ C907	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R431	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
C909 ∆ C910	QEZ0633-127 QFZ9072-104	E CAPACITOR MM CAPACITOR	120uF 450V M 0.1uF AC250V K	R432 R433	QRE121J-3R9Y QRE121J-2R7Y	C RESISTOR C RESISTOR	3.9Ω 1/2W J 2.7Ω 1/2W J
C922	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	R436	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C924 C925	QETN1HM-475Z QETN1VM-476Z	E CAPACITOR E CAPACITOR	4.7uF 50V M 47uF 35V M	R440 R441	QRE121J-471Y NRSA63J-822X	C RESISTOR MG RESISTOR	470Ω 1/2W J 8.2kΩ 1/16W J
C926	QFLC1HJ-332Z	M CAPACITOR	3300pF 50V J	R442	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C927 C929	NCB31HK-104X QFKA2JK-103	C CAPACITOR MM CAPACITOR	0.1uF 50V K 0.01uF 630V K	R443 R453	QRE121J-1R0Y NRSA63J-332X	C RESISTOR MG RESISTOR	1Ω 1/2W J 3.3kΩ 1/16W J
C931 C932	QCZ0364-681	C CAPACITOR	680pF 2kV K 220pF 50V J	R502 R503	NRSA63J-0R0X NRSA63J-682X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 6.8kΩ 1/16W J
C941	NDC31HJ-221X QCZ0364-561	C CAPACITOR C CAPACITOR	560pF 2kV K	R521	QRE121J-560Y	C RESISTOR	56Ω 1/2W J
C942 C944	QEZ0203-107 QCB32HK-222Z	E CAPACITOR C CAPACITOR	100uF 160V M 2200pF 500V K	R525 R526	QRL029J-330 QRE121J-271Y	OMF RESISTOR C RESISTOR	33Ω 2W J 270Ω 1/2W J
C945	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M	R529	QRL039J-681	OMF RESISTOR	680Ω 3W J
C946 C947	QETN1EM-108Z QCB32HK-222Z	E CAPACITOR C CAPACITOR	1000uF 25V M 2200pF 500V K	R531 R532	NRSA63J-331X NRSA63J-102X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 1kΩ 1/16W J
C948	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	 ∆R551	QRX029J-R47	MF RESISTOR	0.47Ω 2W J
C949 C976	NDC31HJ-471X QETN1EM-227Z	C CAPACITOR E CAPACITOR	470pF 50V J 220uF 25V M	R552 R554	QRJ146J-2R2X QRE121J-681Y	UNF C RESISTOR C RESISTOR	2.2Ω 1/4W J 680Ω 1/2W J
C977	QETN1EM-227Z QETN1CM-227Z	E CAPACITOR E CAPACITOR	220uF 16V M	R571	QRE121J-681Y QRE121J-222Y	C RESISTOR C RESISTOR	2.2kΩ 1/2W J
C978 C979	QETN1EM-227Z QETN1AM-227Z	E CAPACITOR E CAPACITOR	220uF 25V M 220uF 10V M	R573 R574	QRT029J-1R5 QRT029J-1R5	MF RESISTOR MF RESISTOR	1.5Ω 2W J 1.5Ω 2W J
ΔC991	QCZ9071-102	C CAPACITOR	1000pF AC400V M	R576	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
∆ C992 ∆ C993	QCZ9071-102 QCZ9071-102	C CAPACITOR C CAPACITOR	1000pF AC400V M 1000pF AC400V M	R577 R578	NRSA63J-392X NRSA63J-103X	MG RESISTOR MG RESISTOR	3.9kΩ 1/16W J 10kΩ 1/16W J
R002	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R581 R582	QRE121J-182Y NRSA63J-223X	C RESISTOR MG RESISTOR	1.8kΩ 1/2W J 22kΩ 1/16W J
R003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R583	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R004 R102	NRSA63J-563X NRSA63J-750X	MG RESISTOR MG RESISTOR	56kΩ 1/16W J 75Ω 1/16W J	R651 R652	NRSA63J-472X NRSA63J-102X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 1kΩ 1/16W J
R103	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R653	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R109 R110	NRSA63J-682X NRSA63J-272X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 2.7kΩ 1/16W J	R654 R655	NRSA63J-223X NRSA63J-473X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 47kΩ 1/16W J
R111	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R656	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R112 R113	NRSA63J-100X NRSA63J-101X	MG RESISTOR MG RESISTOR	10Ω 1/16W J 100Ω 1/16W J	R657 R658	NRSA63J-222X NRSA63J-222X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J 2.2kΩ 1/16W J
R120	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R659	QRE121J-4R7Y	C RESISTOR	4.7Ω 1/2W J
R121 R159	NRSA63J-221X NRSA63J-184X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 180kΩ 1/16W J	R660 R661	NRSA63J-153X QRE121J-271Y	MG RESISTOR C RESISTOR	15kΩ 1/16W J 270Ω 1/2W J
R301 R302	NRSA63J-221X NRSA63J-472X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 4.7kΩ 1/16W J	R662 R664	QRE121J-271Y NRSA63J-682X	C RESISTOR MG RESISTOR	270Ω 1/2W J 6.8kΩ 1/16W J
R303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R665	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R304 R305	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J	R666 R667	NRSA63J-101X QRE121J-101Y	MG RESISTOR C RESISTOR	100Ω 1/16W J 100Ω 1/2W J
R306	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R668	QRT029J-5R6	MF RESISTOR	5.6Ω 2W J
R307 R308	NRSA63J-122X NRSA63J-182X	MG RESISTOR MG RESISTOR	1.2kΩ 1/16W J 1.8kΩ 1/16W J	R706 R707	NRSA63J-561X NRSA63J-561X	MG RESISTOR MG RESISTOR	560Ω 1/16W J 560Ω 1/16W J
R312	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R708	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R313 R314	NRSA63J-102X NRSA63J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 1kΩ 1/16W J	R709 R710	NRSA63J-472X NRSA63J-472X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 4.7kΩ 1/16W J
R321	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	R711	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R322	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R712	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J

Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
R713 R714 R715 R716 R718 R719 R720 R721 R723 R725 R726 R727 R728 R729 R730 R731 R736 R737 R738 R739 R740 R741 R742 R746 R748 R749 R771 R772 R796 R797 R802 R802 R806 R807 R811 R811 R815 R816 R817 R901 R911 R811 R815 R816 R817 R901 R811 R815 R816 R817 R901 R911 R815 R816 R817 R901 R911 R922 R928 R938 R934 R925 R928 R933 R924 R925 R928 R933 R934 R935 R977 R978 R979 R988 R977 R978 R979 R9880 ▲R991	NRSA63J-472X NRSA63J-472X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-102X NRSA63J-103X QRL039J-270 NRSA63J-103X QRL039J-270 NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-104X NRSA63J-103X NRSA63J-103X NRSA63J-561X NRSA63J-561X NRSA63J-392X NRSA63J-561X NRSA63J-103X NRSA63J-104 QRE121J-1181Y NRSA63J-104 QRE121J-1181Y NRSA63J-104 QRE121J-1188Y	MG RESISTOR C RESISTOR C RESISTOR MG RESISTOR C RESISTOR C RESISTOR MG RESISTOR MG RESISTOR OMF RESISTOR	4.7kΩ 1/16W J 4.7kΩ 1/16W J 220Ω 1/16W J 220Ω 1/16W J 220Ω 1/16W J 560Ω 1/16W J 1kΩ 1/16W J 4.7kΩ 1/16W J 1kΩ 1/16W J 27Ω 3W J 1kΩ 1/16W J 4.7kΩ 1/16W J 15kΩ 1/16W J 16W J 10kΩ 1/16W J 10KΩ 2W J 10KΩ 2W J 10KΩ 2W J 10KΩ 1/16W J 10KΩ 2W J 10KΩ 1/16W J 10KΩ 1/16W J 10KΩ 1/16W J 10KΩ 2W J 10KΩ 1/16W J	S704 S705 \$\times\$\$901 SF102 SF122 \$\times\$\$K351 \$\times\$\$TH901 TU001 \$\times\$\$X301 X301 X302 X701	Q\$W0619-003Z Q\$W0619-003Z Q\$W0750-001 QAX0666-002 QAX0325-001 QNZ0536-002 QAD0121-9R0 QAU0447-001 QAF0072-621 QAX0705-001Z QAX0860-001Z QAX0884-001 LC30114-001C-H	PUSH SWITCH PUSH SWITCH SAW FILTER SAW FILTER CRT SOCKET P THERMISTOR TUNER VARISTOR CRYSTAL C RESONATOR LED HOLDER	CH- MENU POWER 9Ω 620V 4.433619MHz 3.579545MHz 12.000MHz
L001 L101 L103 L551 L701 L941 L942 L943 T501 ▲T921	QQL244K-8R2Z QQL244J-2R2Z QQL244K-8R2Z QQL2026-300 QQL244J-5R6Z QQL26AK-820Z QQL244J-4R7Z QQL244J-4R7Z QQR1244-001 QQS0213-001	PEAKING COIL PEAKING COIL PEAKING COIL COIL CHOKE COIL PEAKING COIL PEAKING COIL DRIVE TRANSF SW TRANSF	8.2uH K 2.2uH J 8.2uH K 30uH ±7% 5.6uH J 82uH K 4.7uH J 4.7uH J				
⚠CP981 ⚠CP982 ⚠F901 J002 J003 J004 J005 K351 K421 K901 K902 K941 K942 K943 ⚠LF901 S701 S702	ICP-N50-T ICP-N75-T QMF51E2-3R15-S QNN0384-001 QNN0281-003 QNN0281-002 QNS0197-001 QQR6621-002Z QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR0673-002 QSW0619-003Z QSW0619-003Z	IC PROTECTOR IC PROTECTOR FUSE PIN JACK PIN JACK PIN JACK 3.5 JACK FERRITE BEADS	2.0A 2.7A 3.15A AC250V VIDEO,AUDIO INOUT(REAR) VIDEO IN(FRONT) AUDIO IN(FRONT) HEADPHONE				

PRINTED WIRING BOARD PARTS LIST [AV-21FMG6/G]

MAIN F	P.W. BOARD A	SS'Y (SCG-1542	A-H2)	Ref No.	Part No.	Part Name	Description Local
△Ref No.	Part No.	Part Name	Description Local				
				C001	QETN1HM-106Z	E CAPACITOR	10uF 50V M
IC301	NN5198K	IC		C002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
IC421 IC651	LA78040N AN5265	IC IC		C004 C005	QETN1CM-477Z QFVF1HJ-104Z	E CAPACITOR MF CAPACITOR	470uF 16V M 0.1uF 50V J
IC701	MN1873287JJ1	IC		C008	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
IC702 IC703	ATE08-21YMG6 L78LR05E-MA	IC IC	(SREVICE)	C103 C104	QETN1EM-476Z	E CAPACITOR	47uF 25V M
IC703	GP1UM281QK	IR DETECT UNIT	38kHz	C104	NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K 4700pF 50V K
IC921	STR-W5753A/F5	IC		C106	NCB31HK-472X	C CAPACITOR	4700pF 50V K
IC971 IC972	L7809CP L7805CP	IC IC		C107 C109	NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K 4700pF 50V K
				C110	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
Q102	2SC5397/CD/-T UN2212-X	TRANSISTOR DIGI TRANSISTOR		C112	QETN1EM-476Z	E CAPACITOR	47uF 25V M
Q103 Q161	2SD601A/QR/-X	TRANSISTOR		C113 C114	NCB31HK-472X NCB31HK-103X	C CAPACITOR C CAPACITOR	4700pF 50V K 0.01uF 50V K
Q301	2SA1530A/QR/-X	TRANSISTOR		C115	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q302 Q351	2SC3928A/QR/-X 2SC4212/Z1/	TRANSISTOR TRANSISTOR		C116 C117	NCB31HK-103X QFVF1HJ-224Z	C CAPACITOR MF CAPACITOR	0.01uF 50V K 0.22uF 50V J
Q352	2SC4212/Z1/	TRANSISTOR		C119	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M
Q353 Q401	2SC4212/Z1/ DTC124ESA-T	TRANSISTOR DIGI TRANSISTOR		C120 C121	NDC31HJ-121X NCB31HK-103X	C CAPACITOR C CAPACITOR	120pF 50V J 0.01uF 50V K
Q402	2SC3928A/QR/-X	TRANSISTOR		C121	NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K
Q521	2SC2655/Y/-T 2SD2627-YB11	TRANSISTOR POW TRANSISTOR		C161	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
∆ Q522 Q571	2SA1208/ST/Z1-T	TRANSISTOR		C162 C164	NCB31HK-152X NCB31HK-103X	C CAPACITOR C CAPACITOR	1500pF 50V K 0.01uF 50V K
Q572	2SC3928A/QR/-X	TRANSISTOR		C165	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q651 Q652	2SC3928A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		C166 C301	NCB31HK-104X NCB31HK-681X	C CAPACITOR C CAPACITOR	0.1uF 50V K 680pF 50V K
Q653	2SA1530A/QR/-X	TRANSISTOR		C302	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
Q702	2SC3928A/QR/-X	TRANSISTOR		C303	NDC31HJ-100X	C CAPACITOR	10pF 50V J
Q703 Q708	2SC3928A/QR/-X UN2212-X	TRANSISTOR DIGI TRANSISTOR		C304 C305	QFVF1HJ-474Z QETN1HM-474Z	MF CAPACITOR E CAPACITOR	0.47uF 50V J 0.47uF 50V M
Q803	KTC3199/YG/-T	TRANSISTOR		C306	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q804 Q974	2SC3928A/QR/-X 2SA966/OY/-T	TRANSISTOR TRANSISTOR		C307 C308	QETN1CM-477Z QETN1CM-107Z	E CAPACITOR E CAPACITOR	470uF 16V M 100uF 16V M
Q975	UN2212-X	DIGI TRANSISTOR		C309	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D004	MTZ IOOA TO	7 DIODE		C310	NDC31HJ-221X	C CAPACITOR	220pF 50V J
D001 D102	MTZJ33A-T2 MA859-T2	Z DIODE SI DIODE		C311 C312	NCB31HK-103X QENC1HM-474Z	C CAPACITOR BP E CAPACITOR	0.01uF 50V K 0.47uF 50V M
D301	MTZJ9.1B-T2	Z DIODE		C313	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M
D302 D303	MTZJ9.1B-T2 MA3091/M/-X	Z DIODE Z DIODE		C314 C315	NCB31HK-103X QETN1CM-107Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 100uF 16V M
D305	1K4-T2	SB DIODE		C316	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D306 D306	QRE121J-561Y or QRE122J-561	C RESISTOR C RESISTOR	560Ω 1/2W J 560Ω 1/2W J	C317 C321	NCB31EK-473X NDC31HJ-120X	C CAPACITOR C CAPACITOR	0.047uF 25V K 12pF 50V J
D306	or QRG01GJ-561	OMF RESISTOR	560Ω 1W J	C322	NCB31EK-273X	C CAPACITOR C CAPACITOR	0.027uF 25V K
D341	MA111-X	SI DIODE		C323	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M
D421 D423	MTZJ75-T2 1SR124-400A-T2	Z DIODE SI DIODE		C324 C325	QETN1HM-106Z QENC1HM-106Z	E CAPACITOR BP E CAPACITOR	10uF 50V M 10uF 50V M
D425	MA111-X	SI DIODE		C326	NCS21HJ-221X	C CAPACITOR	220pF 50V J
D427 D501	MTZJ27B-T2 MTZJ6.8C-T2	Z DIODE Z DIODE		C341 C351	QETN1HM-106Z QCZ0121-102	E CAPACITOR C CAPACITOR	10uF 50V M 1000pF 3KV Z
D551	FR105GT-T3	SI DIODE		C354	NDC31HJ-271X	C CAPACITOR	270pF 50V J
D552	FR105GT-T3 MTZJ9.1B-T2	SI DIODE Z DIODE		C355	NDC31HJ-221X	C CAPACITOR	220pF 50V J 330pF 50V J
D553 D554	MA111-X	SI DIODE		C356 C357	NDC31HJ-331X QETN1AM-477Z	C CAPACITOR E CAPACITOR	470uF 10V M
D571	MTZJ7.5S-T2	Z DIODE		C365	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
D581 D582	MTZJ20B-T2 FR105GT-T3	Z DIODE SI DIODE		C366 C367	QENC1HM-105Z QENC1HM-105Z	BP E CAPACITOR BP E CAPACITOR	1uF 50V M 1uF 50V M
D651	MA111-X	SI DIODE		C401	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J
D652 D653	MTZJ12C-T2 MA111-X	Z DIODE SI DIODE		C423 C424	QCS32HJ-180Z QFLC2AJ-103Z	C CAPACITOR M CAPACITOR	18pF 500V J 0.01uF 100V J
D654	MTZJ12C-T2	Z DIODE		C426	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J
D655	MA111-X	SI DIODE SI DIODE		C427	QETN1VM-107Z	E CAPACITOR	100uF 35V M
D656 D657	MA111-X MA111-X	SI DIODE		C428 C429	QETN1VM-107Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	100uF 35V M 10uF 50V M
D704	LH22440-T16	LED	POWER(RED)	C430	QFN32AJ-472Z	M CAPACITOR	4700pF 100V J
D705 D707	LE22440-T16 MA111-X	LED SI DIODE	ON TIMER(ORG)	C433 C435	QEHR1HM-475Z QETM1EM-228	E CAPACITOR E CAPACITOR	4.7uF 50V M 2200uF 25V M
D731	MA111-X	SI DIODE		C436	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J
D920 D921	1SS133-T2	SI DIODE SI DIODE		C437	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
D921 D925	FR105GT-T3 FR105GT-T3	SI DIODE SI DIODE		C501 C502	QETN1EM-476Z NCB31HK-103X	E CAPACITOR C CAPACITOR	47uF 25V M 0.01uF 50V K
D927	MTZJ36A-T2	Z DIODE		C503	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D928 D930	MTZJ3.3A-T2 FR107GT-T3	Z DIODE SI DIODE		C523 C525	QETN1EM-476Z QFZ0200-103	E CAPACITOR MPP CAPACITOR	47uF 25V M 0.01uF 1.5kV H
D931	MA111-X	SI DIODE		C526	QFLC1HJ-822Z	M CAPACITOR	8200pF 50V J
D933	MTZJ16C-T2	Z DIODE		C527	QFZ0197-564	MPP CAPACITOR	0.56uF 250V J
D941 D942	RU3AM-LFC4 ERC30-02L38E	SI DIODE SI DIODE		C529 C531	QFLC1HJ-332Z QEZ0203-107	M CAPACITOR E CAPACITOR	3300pF 50V J 100uF 160V M
D943	FR105GT-T3	SI DIODE		C552	QETM1VM-108	E CAPACITOR	1000uF 35V M
D982 D983	MA111-X MA111-X	SI DIODE SI DIODE		C554 C555	QETN2EM-475Z QFLC2AJ-104Z	E CAPACITOR M CAPACITOR	4.7uF 250V M 0.1uF 100V J
2000	70 TILL 71	31 51052		0000	WI LOZI 10-107Z	W O/ W / WOLLOW	0.101 100V U

⚠Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
C571	QETN1AM-107Z	E CAPACITOR	100uF 10V M	R162	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
C572	QETN1EM-476Z	E CAPACITOR	47uF 25V M	R163	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C581	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	R164	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C652	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	R165	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C653	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R166	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
C654	QETN1CM-477Z	E CAPACITOR	470uF 16V M	R301	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C655	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R302	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C656	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	R303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C657	QETN1EM-107Z	E CAPACITOR	100uF 25V M	R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C658	QETN1EM-227Z	E CAPACITOR	220uF 25V M	R305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C659	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R306	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C663	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R307	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
C664	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R308	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C665	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R312	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C705	QETN1CM-477Z NCB31HK-104X	E CAPACITOR	470uF 16V M	R313	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C706	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R314	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C707	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R321	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
C708	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	R322	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R323	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C709 C710	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R324	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C711	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R326	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R327	NRSA63J-475X	MG RESISTOR	4.7MΩ 1/16W J
C713	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R341	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C716	NDC31HJ-181X	C CAPACITOR	180pF 50V J	R347	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
C717	NDC31HJ-181X	C CAPACITOR	180pF 50V J	R349	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C718	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R351	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C719	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R352	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C720	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R353	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C721	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	R354	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C722	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R355	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C724	NDC31HJ-560X	C CAPACITOR C CAPACITOR	56pF 50V J	R356	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C728	NDC31HJ-181X	C CAPACITOR	180pF 50V J	R357	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C729	NDC31HJ-181X	C CAPACITOR	180pF 50V J	R358	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C730	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R359	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C744	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R360	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
C805	QETN1CM-227Z	E CAPACITOR	220uF 16V M	R361	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
C806	QETN1CM-477Z	E CAPACITOR	470uF 16V M	R362	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
C811	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R363	QRL029J-123	OMF RESISTOR	12kΩ 2W J
C841	NCB31HK-152X	C CAPACITOR	1500pF 50V K	R364	QRL029J-123	OMF RESISTOR	12kΩ 2W J
∆C901 ∆C904	QFZ9073-224	MM CAPACITOR	0.22uF AC250V M	R365	QRL029J-123	OMF RESISTOR	12kΩ 2W J
 ∆C905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R366	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R367	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
∆ C907	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R368	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C909	QEZ0476-127	E CAPACITOR	120uF	R374	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
∆ C910	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	R401	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
C922	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	R421	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C924	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R423	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C925	QETN1VM-476Z	E CAPACITOR	47uF 35V M	R424	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C926	QFLC1HJ-332Z	M CAPACITOR	3300pF 50V J	R425	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C927	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R426	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C929 C931	QFKA2JK-103	MM CAPACITOR	0.01uF 630V K	R429	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C932	QCZ0364-681	C CAPACITOR	680pF 2kV K	R430	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
	NDC31HJ-221X	C CAPACITOR	220pF 50V J	R431	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
C941	QCZ0364-561	C CAPACITOR	560pF 2kV K	R432	QRE121J-3R9Y	C RESISTOR	3.9Ω 1/2W J
C942	QEZ0203-107	E CAPACITOR	100uF 160V M	R433	QRE121J-2R7Y	C RESISTOR	2.7Ω 1/2W J
C944	QCB32HK-222Z	C CAPACITOR	2200pF 500V K	R436	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C945	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M	R440	QRE121J-471Y	C RESISTOR	470Ω 1/2W J
C946	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R441	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
C947	QCB32HK-222Z	C CAPACITOR	2200pF 500V K	R442	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C948	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R443	QRE121J-1R0Y	C RESISTOR	1Ω 1/2W J
C949	NDC31HJ-471X	C CAPACITOR	470pF 50V J	R453	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C976	QETN1EM-227Z	E CAPACITOR	220uF 25V M	R502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C977	QETN1CM-227Z	E CAPACITOR	220uF 16V M	R503	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C978	QETN1EM-227Z	E CAPACITOR	220uF 25V M	R521	QRE121J-560Y	C RESISTOR	56Ω 1/2W J
C979	QETN1AM-227Z	E CAPACITOR	220uF 10V M	R525	QRL029J-330	OMF RESISTOR	33Ω 2W J
∆C991	QCZ9071-102	C CAPACITOR	1000pF AC400V M	R526	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
 ∆C992	QCZ9071-102	C CAPACITOR	1000pF AC400V M	R529	QRL039J-681	OMF RESISTOR	680Ω 3W J
∆ C993	QCZ9071-102	C CAPACITOR	1000pF AC400V M	R531 R532	NRSA63J-331X NRSA63J-102X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 1kΩ 1/16W J
R002	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	 ∆R551	QRX029J-R47	MF RESISTOR	0.47Ω 2W J
R003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R552	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R004	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R554	QRE121J-681Y	C RESISTOR	680Ω 1/2W J
R102	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R571	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R103	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R573	QRT029J-1R5	MF RESISTOR	1.5Ω 2W J
R109	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R574	QRT029J-1R5	MF RESISTOR	1.5Ω 2W J
R110	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R576	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R111	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R577	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R112	NRSA63,J-220X	MG RESISTOR	22Ω 1/16W J	R578	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R581	QRE121J-182Y	C RESISTOR	1.8kΩ 1/2W J
R114	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R582	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R115	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R583	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R117	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R651	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R118	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R652	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R120	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R653	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R121	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R654	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R159	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	R655	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R161	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R656	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local	⚠Ref No.	Part No.	Part Name	Description Local
R657 R658 R659 R660 R661	NRSA63J-222X NRSA63J-222X QRE121J-4R7Y NRSA63J-153X QRE121J-271Y	MG RESISTOR MG RESISTOR C RESISTOR MG RESISTOR C RESISTOR	2.2kΩ 1/16W J 2.2kΩ 1/16W J 4.7Ω 1/2W J 15kΩ 1/16W J 270Ω 1/2W J	CF161 ⚠CP981 ⚠CP982 ⚠F901 J002	QAX0642-001Z ICP-N50-T ICP-N75-T QMF51E2-3R15-S QNN0384-001	C FILTER IC PROTECTOR IC PROTECTOR FUSE PIN JACK	4.500MHz 2.0A 2.7A 3.15A AC250V VIDEO AUDIO INOUT(REAR)
R662 R664 R665 R666 R667 R668	QRE121J-271Y NRSA63J-682X NRSA63J-103X NRSA63J-101X QRE121J-101Y QRT029J-5R6	C RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR C RESISTOR MF RESISTOR	270Ω 1/2W J 6.8kΩ 1/16W J 10kΩ 1/16W J 100Ω 1/16W J 100Ω 1/2W J 5.6Ω 2W J	J003 J004 J005 K351 K421 K901	QNN0281-003 QNN0281-002 QNS0197-001 QQR0621-002Z QQR1113-001Z QQR1113-001Z	PIN JACK PIN JACK 3.5 JACK FERRITE BEADS FERRITE BEADS FERRITE BEADS	VIDEO IN(FRONT) AUDIO IN(FRONT) HEADPHONE
R706 R707 R708 R709 R710 R711	NRSA63J-561X NRSA63J-561X NRSA63J-102X NRSA63J-472X NRSA63J-472X NRSA63J-472X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	560Ω 1/16W J 560Ω 1/16W J 1κΩ 1/16W J 4.7kΩ 1/16W J 4.7kΩ 1/16W J 4.7kΩ 1/16W J	K902 K941 K942 K943 <u>↑</u> LF901 S701	QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR0673-002 QSW0619-003Z	FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS LINE FILTER PUSH SWITCH	VOL+
R712 R713 R714 R715 R716 R718	NRSA63J-472X NRSA63J-472X NRSA63J-472X NRSA63J-221X NRSA63J-221X NRSA63J-561X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 4.7kΩ 1/16W J 4.7kΩ 1/16W J 220Ω 1/16W J 220Ω 1/16W J 560Ω 1/16W J	\$702 \$703 \$704 \$705 ∆ \$901 \$F102	QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0750-001 QAX0731-001	PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH SAW FILTER	VOL- CH+ CH- MENU POWER
R719 R720 R721 R723 R725 R726	NRSA63J-102X NRSA63J-472X NRSA63J-103X QRL039J-270 NRSA63J-102X NRSA63J-472X	MG RESISTOR MG RESISTOR MG RESISTOR OMF RESISTOR MG RESISTOR MG RESISTOR	1kΩ 1/16W J 4.7kΩ 1/16W J 10kΩ 1/16W J 27Ω 3W J 1kΩ 1/16W J 4.7kΩ 1/16W J	SF122 ⚠SK351 ⚠TH901 TU001 ⚠VA901 X301	QAX0325-001 QNZ0536-002 QAD0121-9R0 QAU0447-001 QAF0072-621 QAX0705-001Z	SAW FILTER CRT SOCKET P THERMISTOR TUNER VARISTOR CRYSTAL	9Ω 620V 4.433619MHz
R727 R728 R729 R730 R731 R736	NRSA63J-153X NRSA63J-102X NRSA63J-102X NRSA63J-103X NRSA63J-472X NRSA63J-823X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	15kΩ 1/16W J 1kΩ 1/16W J 1kΩ 1/16W J 10kΩ 1/16W J 4.7kΩ 1/16W J 82kΩ 1/16W J	X302 X701	QAX0860-001Z QAX0884-001 LC30114-001C-H	CRYSTAL C RESONATOR LED HOLDER	3.579545MHz 12.000MHz
R737 R738 R739 R740 R741 R742	NRSA63J-104X NRSA63J-103X NRSA63J-103X NRSA63J-392X NRSA63J-561X NRSA63J-563X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	100kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J 3.9kΩ 1/16W J 560Ω 1/16W J 56kΩ 1/16W J				
R746 R748 R749 R771 R772 R796	NRSA63J-103X NRSA63J-101X NRSA63J-472X NRSA63J-821X NRSA63J-821X NRSA63J-103X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	10kΩ 1/16W J 100Ω 1/16W J 4.7kΩ 1/16W J 820Ω 1/16W J 820Ω 1/16W J 10kΩ 1/16W J				
R797 R802 R806 R807 R810 R811	NRSA63J-153X NRSA63J-750X QRE121J-271Y NRSA63J-680X QRG01GJ-560 NRSA63J-221X	MG RESISTOR MG RESISTOR C RESISTOR MG RESISTOR OMF RESISTOR MG RESISTOR	15kΩ 1/16W J 75Ω 1/16W J 270Ω 1/2W J 68Ω 1/16W J 56Ω 1W J 220Ω 1/16W J				
R815 R816 R817 R901 R903 R906	QRE121J-181Y NRSA63J-681X NRSA63J-472X QRF104K-3R9 QRL029J-104 QRL029J-104	C RESISTOR MG RESISTOR MG RESISTOR UNF WW RESISTOR OMF RESISTOR OMF RESISTOR	180Ω 1/2W J 680Ω 1/16W J 4.7kΩ 1/16W J 3.9Ω 10W K 100kΩ 2W J 100kΩ 2W J				
R921 R922 R923 R924 R925 R928	QRE121J-1R8Y QRE121J-221Y QRZ0237-R18 NRSA63J-154X NRSA63J-105X QRL039J-683	C RESISTOR C RESISTOR UNF WW RESISTOR MG RESISTOR MG RESISTOR OMF RESISTOR	1.8Ω 1/2W J 220Ω 1/2W J 0.18Ω 3W J 150kΩ 1/16W J 1MΩ 1/16W J 68kΩ 3W J				
R933 R934 R935 R974 R976 R977	QRE121J-4R7Y NRSA63J-683X QRE121J-392Y NRSA63J-222X QRL029J-120 QRE121J-122Y	C RESISTOR MG RESISTOR C RESISTOR MG RESISTOR OMF RESISTOR C RESISTOR	4.7Ω 1/2W J 68kΩ 1/16W J 3.9kΩ 1/2W J 2.2kΩ 1/16W J 12Ω 2W J 1.2kΩ 1/2W J				
R978 R979 R980 ∕ \R991	NRSA63J-473X QRL039J-470 QRL029J-153 QRZ9046-825Z	MG RESISTOR OMF RESISTOR OMF RESISTOR C RESISTOR	47kΩ 1/16W J 47Ω 3W J 15kΩ 2W J 8.2MΩ 1/2W K				
L001 L101 L103 L551 L701 L941 L942	QQL244K-8R2Z QQL244J-2R2Z QQL244K-8R2Z QQLZ026-300 QQL244J-5R6Z QQL26AK-820Z QQL244J-4R7Z	PEAKING COIL PEAKING COIL PEAKING COIL COIL CHOKE COIL PEAKING COIL	8.2uH K 2.2uH J 8.2uH K 30uH ±7% 5.6uH J 82uH K 4.7uH J				
L943 T501 △↑T921	QQL244J-4R7Z QQR1244-001 QQS0213-001	PEAKING COIL DRIVE TRANSF SW TRANSF	4.7uH J				

PRINTED WIRING BOARD PARTS LIST [AV-21FMG6B/G]

		SS'Y (SCG-1543	•	Ref No.	Part No.	Part Name	Description Local
ÆRef No.	Part No.	Part Name	Description Local	C001	QETN1HM-106Z	E CAPACITOR	10uF 50V M
IC301	NN5198K	IC		C002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
IC421 IC651	LA78040N AN5265	IC IC		C004 C005	QETN1CM-477Z QFVF1HJ-104Z	E CAPACITOR MF CAPACITOR	470uF 16V M 0.1uF 50V J
IC701	MN1873287JJ1	IC		C008	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
IC702	ATE08-21YMG6	IC	(SREVICE)	C103	QETN1EM-476Z	E CAPACITOR	47uF 25V M
IC703 IC704	L78LR05E-MA GP1UM281QK	IC IR DETECT UNIT	38kHz	C104 C105	NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K
IC704	STR-W5753A/F5	IC	JONITZ	C105	NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K 4700pF 50V K
IC971	L7809CP	IC IC		C107	NCB31HK-472X	C CAPACITOR	4700pF 50V K
IC972	L7805CP	IC		C109	NCB31HK-472X	C CAPACITOR MG RESISTOR	4700pF 50V K
Q102	2SC5397/CD/-T	TRANSISTOR		C110 C112	NRSA63J-0R0X QETN1EM-476Z	E CAPACITOR	0Ω 1/16W J 47uF 25V M
Q103	UN2212-X	DIGI TRANSISTOR		C113	NCB31HK-472X	C CAPACITOR	4700pF 50V K
Q161 Q301	2SD601A/QR/-X 2SA1530A/QR/-X	TRANSISTOR TRANSISTOR		C114 C115	NCB31HK-103X NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q301	2SC3928A/QR/-X	TRANSISTOR		C116	NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K
Q351	2SC4212/Z1/	TRANSISTOR		C117	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
Q352 Q353	2SC4212/Z1/ 2SC4212/Z1/	TRANSISTOR TRANSISTOR		C119 C120	QETN1HM-474Z NDC31HJ-121X	E CAPACITOR C CAPACITOR	0.47uF 50V M 120pF 50V J
Q333 Q401	DTC124ESA-T	DIGI TRANSISTOR		C120	NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K
Q402	2SC3928A/QR/-X	TRANSISTOR		C122	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q521 ∆\Q522	2SC2655/Y/-T 2SD2627-YB11	TRANSISTOR POW TRANSISTOR		C161 C162	NCB31HK-103X NCB31HK-152X	C CAPACITOR C CAPACITOR	0.01uF 50V K 1500pF 50V K
Q571	2SA1208/ST/Z1-T	TRANSISTOR		C162	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q572	2SC3928A/QR/-X	TRANSISTOR		C165	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q651 Q652	2SC3928A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		C166 C301	NCB31HK-104X NCB31HK-681X	C CAPACITOR C CAPACITOR	0.1uF 50V K 680pF 50V K
Q653	2SA1530A/QR/-X	TRANSISTOR		C302	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
Q702	2SC3928A/QR/-X	TRANSISTOR		C303	NDC31HJ-100X	C CAPACITOR	10pF 50V J
Q703 Q708	2SC3928A/QR/-X UN2212-X	TRANSISTOR DIGI TRANSISTOR		C304 C305	QFVF1HJ-474Z QETN1HM-474Z	MF CAPACITOR E CAPACITOR	0.47uF 50V J 0.47uF 50V M
Q803	KTC3199/YG/-T	TRANSISTOR		C306	NCB31HK-103X	C CAPACITOR	0.47th 50V M
Q804	2SC3928A/QR/-X	TRANSISTOR		C307	QETN1CM-477Z	E CAPACITOR	470uF 16V M
Q974 Q975	2SA966/OY/-T UN2212-X	TRANSISTOR DIGI TRANSISTOR		C308 C309	QETN1CM-107Z NCB31HK-103X	E CAPACITOR C CAPACITOR	100uF 16V M 0.01uF 50V K
QUIU	ONLE IE X	DIGI TIVINGIOTOR		C310	NDC31HJ-221X	C CAPACITOR	220pF 50V J
D001	MTZJ33A-T2	Z DIODE		C311	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D102 D301	MA859-T2 MTZJ9.1B-T2	SI DIODE Z DIODE		C312 C313	QENC1HM-474Z QETN1HM-335Z	BP E CAPACITOR E CAPACITOR	0.47uF 50V M 3.3uF 50V M
D302	MTZJ9.1B-T2	Z DIODE		C314	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D303 D305	MA3091/M/-X	Z DIODE		C315	QETN1CM-107Z	E CAPACITOR	100uF 16V M
D305 D306	1K4-T2 QRE121J-561Y	SB DIODE C RESISTOR	560Ω 1/2W J	C316 C317	QETN1HM-106Z NCB31EK-473X	E CAPACITOR C CAPACITOR	10uF 50V M 0.047uF 25V K
D306	or QRE122J-561	C RESISTOR	560Ω 1/2W J	C321	NDC31HJ-120X	C CAPACITOR	12pF 50V J
D306 D341	or QRG01GJ-561 MA111-X	OMF RESISTOR SI DIODE	560Ω 1W J	C322	NCB31EK-273X	C CAPACITOR	0.027uF 25V K
D421	MTZJ75-T2	Z DIODE		C323 C324	QETN1HM-474Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	0.47uF 50V M 10uF 50V M
D423	1SR124-400A-T2	SI DIODE		C325	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
D425 D427	MA111-X MTZJ27B-T2	SI DIODE Z DIODE		C326 C341	NCS21HJ-221X QETN1HM-106Z	C CAPACITOR E CAPACITOR	220pF 50V J 10uF 50V M
D501	MTZJ6.8C-T2	Z DIODE		C351	QCZ0121-102	C CAPACITOR	1000pF 3KV Z
D551	FR105GT-T3	SI DIODE		C354	NDC31HJ-271X	C CAPACITOR	270pF 50V J
D552 D553	FR105GT-T3 MTZJ9.1B-T2	SI DIODE Z DIODE		C355 C356	NDC31HJ-221X NDC31HJ-331X	C CAPACITOR C CAPACITOR	220pF 50V J 330pF 50V J
D554	MA111-X	SI DIODE		C357	QETN1AM-477Z	E CAPACITOR	470uF 10V M
D571 D581	MTZJ7.5S-T2	Z DIODE Z DIODE		C365	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
D582	MTZJ20B-T2 FR105GT-T3	SI DIODE		C366 C367	QENC1HM-105Z QENC1HM-105Z	BP E CAPACITOR BP E CAPACITOR	1uF 50V M 1uF 50V M
D651	MA111-X	SI DIODE		C401	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J
D652 D653	MTZJ12C-T2 MA111-X	Z DIODE SI DIODE		C423	QCS32HJ-180Z QFLC2AJ-103Z	C CAPACITOR	18pF 500V J 0.01uF 100V J
D654	MTZJ12C-T2	Z DIODE		C424 C426	QFLC2AJ-103Z QFLC1HJ-102Z	M CAPACITOR M CAPACITOR	1000pF 50V J
D655	MA111-X	SI DIODE		C427	QETN1VM-107Z	E CAPACITOR	100uF 35V M
D656 D657	MA111-X MA111-X	SI DIODE SI DIODE		C428 C429	QETN1VM-107Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	100uF 35V M 10uF 50V M
D704	LH22440-T16	LED	POWER(RED)	C429 C430	QFN32AJ-472Z	M CAPACITOR	4700pF 100V J
D705	LE22440-T16	LED	ON TIMER(ORG)	C433	QEHR1HM-475Z	E CAPACITOR	4.7uF 50V M
D707 D731	MA111-X MA111-X	SI DIODE SI DIODE		C435 C436	QETM1EM-228 QFVF1HJ-334Z	E CAPACITOR MF CAPACITOR	2200uF 25V M 0.33uF 50V J
D920	1SS133-T2	SI DIODE		C430	NCB31HK-104X	C CAPACITOR	0.33uF 50V 5 0.1uF 50V K
D921	FR105GT-T3	SI DIODE		C501	QETN1EM-476Z	E CAPACITOR	47uF 25V M
D925 D927	FR105GT-T3 MTZJ36A-T2	SI DIODE Z DIODE		C502 C503	NCB31HK-103X QETN1HM-106Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 10uF 50V M
D927 D928	MTZJ3.3A-T2	Z DIODE Z DIODE		C503 C523	QETN1HM-106Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	47uF 25V M
D930	FR107GT-T3	SI DIODE		C525	QFZ0200-103	MPP CAPACITOR	0.01uF 1.5kV H
D931	MA111-X MT7.116C T2	SI DIODE		C526	QFLC1HJ-822Z	M CAPACITOR	8200pF 50V J
D933 D941	MTZJ16C-T2 RU3AM-LFC4	Z DIODE SI DIODE		C527 C529	QFZ0197-564 QFLC1HJ-332Z	MPP CAPACITOR M CAPACITOR	0.56uF 250V J 3300pF 50V J
D942	ERC30-02L38E	SI DIODE		C531	QEZ0203-107	E CAPACITOR	100uF 160V M
	FR105GT-T3	SI DIODE		C552	QETM1VM-108	E CAPACITOR	1000uF 35V M
D943 D982	MA111-X	SI DIODE		C554	QETN2EM-475Z	E CAPACITOR	4.7uF 250V M

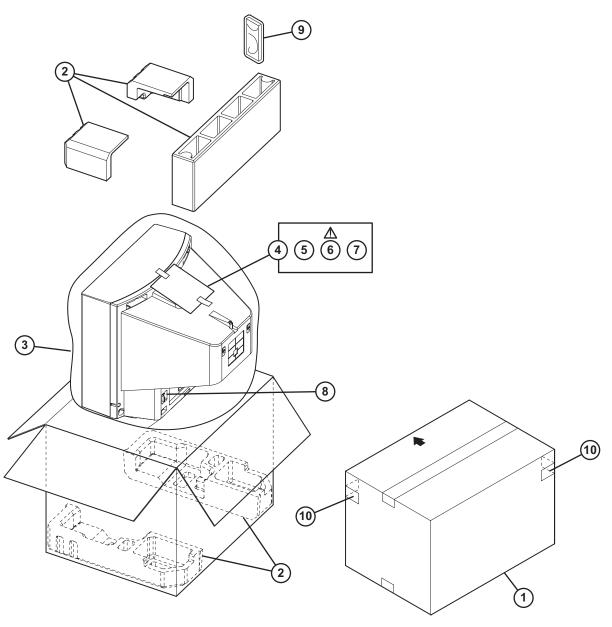
⚠Ref No.	Part No.	Part Name	Description Local	ÆRef No.	Part No.	Part Name	Description Local
C571	QETN1AM-107Z	E CAPACITOR	100uF 10V M	R162	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
C572 C581	QETN1EM-476Z QFVF1HJ-104Z	E CAPACITOR MF CAPACITOR	47uF 25V M 0.1uF 50V J	R163 R164	NRSA63J-222X NRSA63J-221X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J 220Ω 1/16W J
C652 C653	NCB31HK-473X QETN1HM-106Z	C CAPACITOR E CAPACITOR	0.047uF 50V K 10uF 50V M	R165 R166	NRSA63J-220X NRSA63J-821X	MG RESISTOR MG RESISTOR	22Ω 1/16W J 820Ω 1/16W J
C654	QETN1CM-477Z	E CAPACITOR	470uF 16V M	R301	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C655 C656	QETN1HM-106Z QENC1HM-105Z	E CAPACITOR BP E CAPACITOR	10uF 50V M 1uF 50V M	R302 R303	NRSA63J-472X NRSA63J-101X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 100Ω 1/16W J
C657	QETN1EM-107Z	E CAPACITOR	100uF 25V M	R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C658 C659	QETN1EM-227Z QETN1HM-475Z	E CAPACITOR E CAPACITOR	220uF 25V M 4.7uF 50V M	R305 R306	NRSA63J-101X NRSA63J-221X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 220Ω 1/16W J
C663	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R307	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
C664 C665	QETN1CM-107Z NCB31HK-103X	E CAPACITOR C CAPACITOR	100uF 16V M 0.01uF 50V K	R308 R312	NRSA63J-182X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	1.8kΩ 1/16W J 0Ω 1/16W J
C705	QETN1CM-477Z NCB31HK-104X	E CAPACITOR	470uF 16V M	R313	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C706 C707	NCB31HK-104X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.1uF 50V K 0.01uF 50V K	R314 R321	NRSA63J-102X NRSA63J-152X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 1.5kΩ 1/16W J
C708	QETN1AM-108Z NCB31HK-103X	E CAPACITOR C CAPACITOR	1000uF 10V M 0.01uF 50V K	R322 R323	NRSA63J-272X NRSA63J-103X	MG RESISTOR MG RESISTOR	2.7kΩ 1/16W J 10kΩ 1/16W J
C709 C710	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R324	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C711 C712	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	R326 R327	NRSA63J-101X NRSA63J-475X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 4.7MΩ 1/16W J
C713	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R341	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C716 C717	NDC31HJ-181X NDC31HJ-181X	C CAPACITOR C CAPACITOR	180pF 50V J 180pF 50V J	R347 R349	NRSA63J-392X NRSA63J-472X	MG RESISTOR MG RESISTOR	3.9kΩ 1/16W J 4.7kΩ 1/16W J
C718	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R351	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C719 C720	QETN1HM-105Z NCB31HK-103X	E CAPACITOR C CAPACITOR	1uF 50V M 0.01uF 50V K	R352 R353	NRSA63J-151X NRSA63J-151X	MG RESISTOR MG RESISTOR	150Ω 1/16W J 150Ω 1/16W J
C721 C722	NCB31EK-333X NDC31HJ-101X	C CAPACITOR C CAPACITOR	0.033uF 25V K 100pF 50V J	R354 R355	NRSA63J-331X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 330Ω 1/16W J
C724	NDC31HJ-560X	C CAPACITOR C CAPACITOR	56pF 50V J	R356	NRSA63J-331X NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C728 C729	NDC31HJ-181X NDC31HJ-181X	C CAPACITOR C CAPACITOR	180pF 50V J 180pF 50V J	R357 R358	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
C730	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R359	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C744 C805	NCB31HK-103X QETN1CM-227Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 220uF 16V M	R360 R361	QRZ0107-152Z QRZ0107-152Z	C RESISTOR C RESISTOR	1.5kΩ 1/2W K 1.5kΩ 1/2W K
C806	QETN1CM-477Z	E CAPACITOR	470uF 16V M	R362	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
C811 C841	QETN1HM-106Z NCB31HK-152X	E CAPACITOR C CAPACITOR	10uF 50V M 1500pF 50V K	R363 R364	QRL029J-123 QRL029J-123	OMF RESISTOR OMF RESISTOR	12kΩ 2W J 12kΩ 2W J
∆C901 ∆C904	QFZ9073-224	MM CAPACITOR	0.22uF AC250V M	R365	QRL029J-123	OMF RESISTOR	12kΩ 2W J
 ∆C905	QCZ9054-102 QCZ9054-102	C CAPACITOR C CAPACITOR	1000pF AC250V Z 1000pF AC250V Z	R366 R367	NRSA63J-182X NRSA63J-182X	MG RESISTOR MG RESISTOR	1.8kΩ 1/16W J 1.8kΩ 1/16W J
	QCZ9054-102 QEZ0476-127	C CAPACITOR E CAPACITOR	1000pF AC250V Z 120uF	R368 R374	NRSA63J-182X NRSA63J-682X	MG RESISTOR MG RESISTOR	1.8kΩ 1/16W J 6.8kΩ 1/16W J
∆ C910	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	R401	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
C922 C924	QFLC1HJ-104Z QETN1HM-475Z	M CAPACITOR E CAPACITOR	0.1uF 50V J 4.7uF 50V M	R421 R423	NRSA63J-472X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 0Ω 1/16W J
C925	QETN1VM-476Z	E CAPACITOR	47uF 35V M	R424	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C926 C927	QFLC1HJ-332Z NCB31HK-104X	M CAPACITOR C CAPACITOR	3300pF 50V J 0.1uF 50V K	R425 R426	NRSA63J-332X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 0Ω 1/16W J
C929 C931	QFKA2JK-103	MM CAPACITOR	0.01uF 630V K	R429	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J 82kΩ 1/16W J
C931	QCZ0364-681 NDC31HJ-221X	C CAPACITOR C CAPACITOR	680pF 2kV K 220pF 50V J	R430 R431	NRSA63J-823X NRSA02J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/10W J
C941 C942	QCZ0364-561 QEZ0203-107	C CAPACITOR E CAPACITOR	560pF 2kV K 100uF 160V M	R432 R433	QRE121J-3R9Y QRE121J-2R7Y	C RESISTOR C RESISTOR	3.9Ω 1/2W J 2.7Ω 1/2W J
C944	QCB32HK-222Z	C CAPACITOR	2200pF 500V K	R436	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C945 C946	QEHR1EM-108Z QETN1EM-108Z	E CAPACITOR E CAPACITOR	1000uF 25V M 1000uF 25V M	R440 R441	QRE121J-471Y NRSA63J-822X	C RESISTOR MG RESISTOR	470Ω 1/2W J 8.2kΩ 1/16W J
C947	QCB32HK-222Z	C CAPACITOR	2200pF 500V K	R442	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C948 C949	QETN1EM-108Z NDC31HJ-471X	E CAPACITOR C CAPACITOR	1000uF 25V M 470pF 50V J	R443 R453	QRE121J-1R0Y NRSA63J-332X	C RESISTOR MG RESISTOR	1Ω 1/2W J 3.3kΩ 1/16W J
C976 C977	QETN1EM-227Z QETN1CM-227Z	E CAPACITOR E CAPACITOR	220uF 25V M 220uF 16V M	R502 R503	NRSA63J-0R0X NRSA63J-682X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 6.8kΩ 1/16W J
C978	QETN1EM-227Z	E CAPACITOR	220uF 25V M	R521	QRE121J-560Y	C RESISTOR	56Ω 1/2W J
C979 ∆ C991	QETN1AM-227Z QCZ9071-102	E CAPACITOR C CAPACITOR	220uF 10V M 1000pF AC400V M	R525 R526	QRL029J-330 QRE121J-271Y	OMF RESISTOR C RESISTOR	33Ω 2W J 270Ω 1/2W J
∆ C992	QCZ9071-102	C CAPACITOR	1000pF AC400V M	R529	QRL039J-681	OMF RESISTOR	680Ω 3W J
∆ C993	QCZ9071-102	C CAPACITOR	1000pF AC400V M	R531 R532	NRSA63J-331X NRSA63J-102X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 1kΩ 1/16W J
R002	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	 ∆R551	QRX029J-R47	MF RESISTOR	0.47Ω 2W J
R003 R004	NRSA63J-221X NRSA63J-563X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 56kΩ 1/16W J	R552 R554	QRJ146J-2R2X QRE121J-681Y	UNF C RESISTOR C RESISTOR	2.2Ω 1/4W J 680Ω 1/2W J
R102 R103	NRSA63J-750X NRSA63J-100X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 10Ω 1/16W J	R571 R573	QRE121J-222Y QRT029J-1R5	C RESISTOR MF RESISTOR	2.2kΩ 1/2W J 1.5Ω 2W J
R109	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R574	QRT029J-1R5	MF RESISTOR	1.5Ω 2W J
R110 R111	NRSA63J-272X NRSA63J-181X	MG RESISTOR MG RESISTOR	2.7kΩ 1/16W J 180Ω 1/16W J	R576 R577	QRE121J-223Y NRSA63J-392X	C RESISTOR MG RESISTOR	22kΩ 1/2W J 3.9kΩ 1/16W J
R112	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R578	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R113 R114	NRSA63J-101X NRSA63J-472X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 4.7kΩ 1/16W J	R581 R582	QRE121J-182Y NRSA63J-223X	C RESISTOR MG RESISTOR	1.8kΩ 1/2W J 22kΩ 1/16W J
R115	NRSA63J-222X NRSA63J-0R0X	MG RESISTOR	2.2kΩ 1/16W J 0Ω 1/16W J	R583 R651	NRSA63J-393X NRSA63J-472X	MG RESISTOR	39kΩ 1/16W J 4.7kΩ 1/16W J
R117 R118	NRSA63J-222X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J	R652	NRSA63J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J
R120 R121	NRSA63J-391X NRSA63J-221X	MG RESISTOR MG RESISTOR	390Ω 1/16W J 220Ω 1/16W J	R653 R654	NRSA63J-331X NRSA63J-223X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 22kΩ 1/16W J
R159	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	R655	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R161	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R656	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local	ÆRef No.	Part No.	Part Name	Description Local
R657 R658 R659 R660 R661 R662 R664 R665 R666 R667 R668 R706	NRSA63J-222X NRSA63J-222X QRE121J-4R7Y NRSA63J-153X QRE121J-271Y QRE121J-271Y NRSA63J-682X NRSA63J-101X QRE121J-101Y QRT029J-5R6 NRSA63J-561X NRSA63J-561X	MG RESISTOR MG RESISTOR C RESISTOR C RESISTOR C RESISTOR C RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MF RESISTOR MF RESISTOR MF RESISTOR MG RESISTOR	2.2kΩ 1/16W J 2.2kΩ 1/16W J 4.7Ω 1/2W J 15kΩ 1/16W J 270Ω 1/2W J 270Ω 1/2W J 6.8kΩ 1/16W J 10kΩ 1/16W J 100Ω 1/16W J 100Ω 1/2W J 560Ω 1/16W J 560Ω 1/16W J	CF161	QAX0642-001Z ICP-N50-T ICP-N75-T QMF51E2-3R15-S QNN0384-001 QNN0281-003 QNN0281-002 QNS0197-001 QQR0621-002Z QQR1113-001Z QQR1113-001Z QQR1113-001Z QQR1113-001Z	C FILTER IC PROTECTOR IC PROTECTOR FUSE PIN JACK PIN JACK PIN JACK PIN JACK FERRITE BEADS	4.500MHz 2.0A 2.7A 3.15A AC250V VIDEO,AUDIO INOUT(REAR) VIDEO IN(FRONT) AUDIO IN(FRONT) HEADPHONE
R708 R709 R710 R711 R712 R713 R714 R715 R716 R718 R719 R720 R721 R723	NRSA63J-102X NRSA63J-472X NRSA63J-472X NRSA63J-472X NRSA63J-472X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-561X NRSA63J-102X NRSA63J-102X NRSA63J-103X QRL039J-270	MG RESISTOR OMF RESISTOR	1kΩ 1/16W J 4.7kΩ 1/16W J 220Ω 1/16W J 220Ω 1/16W J 220Ω 1/16W J 560Ω 1/16W J 1kΩ 1/16W J 4.7kΩ 1/16W J 10kΩ 1/16W J 27Ω 3W J	K942 K943 &LF901 S701 S702 S703 S704 S705 &S901 SF102 SF122 &SK351 &TH901 TU001	QQR1113-001Z QQR1113-001Z QQR0673-002 QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0750-001 QAX0731-001 QAX0325-001 QAX0325-001 QAD0121-9R0 QAU0447-001	FERRITE BEADS FERRITE BEADS LINE FILTER PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH SAW FILTER SAW FILTER CRT SOCKET P THERMISTOR TUNER	VOL+ VOL- CH+ CH- MENU POWER
R725 R726 R727 R728 R729 R730 R731 R736 R737 R738 R748 R740 R741 R742 R746 R748 R749	NRSA63J-102X NRSA63J-102X NRSA63J-103X NRSA63J-102X NRSA63J-102X NRSA63J-472X NRSA63J-823X NRSA63J-104X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-561X NRSA63J-561X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X	MG RESISTOR	1kΩ 1/16W J 4.7kΩ 1/16W J 15kΩ 1/16W J 1kΩ 1/16W J 1kΩ 1/16W J 10kΩ 1/16W J 4.7kΩ 1/16W J 82kΩ 1/16W J 100kΩ 1/16W J 100kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J 3.9kΩ 1/16W J 560Ω 1/16W J 10kΩ 1/16W J	∆VA901 X301 X302 X701	QAF0072-621 QAX0705-001Z QAX0860-001Z QAX0884-001 LC30114-001C-H	VARISTOR CRYSTAL CRYSTAL C RESONATOR LED HOLDER	620V 4.433619MHz 3.579545MHz 12.000MHz
R771 R772 R796 R797 R802 R806 R807 R810 R811 R815 R816 R817 R901 R901 R903	NRSA63J-821X NRSA63J-821X NRSA63J-103X NRSA63J-153X NRSA63J-153X NRSA63J-250X QRE121J-271Y NRSA63J-680X QRG01GJ-560 NRSA63J-221X QRE121J-181Y NRSA63J-221X QRE121J-181Y NRSA63J-681X NRSA63J-472X QRF104K-3R9 QRL029J-104	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR C RESISTOR MG RESISTOR OMF RESISTOR C RESISTOR MG RESISTOR OMF RESISTOR OMF RESISTOR	4.7kΩ 1/16W J 820Ω 1/16W J 820Ω 1/16W J 10kΩ 1/16W J 15kΩ 1/16W J 75Ω 1/16W J 270Ω 1/2W J 68Ω 1/16W J 56Ω 1W J 220Ω 1/16W J 180Ω 1/2W J 680Ω 1/16W J 4.7kΩ 1/16W J 4.7kΩ 1/16W J 100kΩ 2W J 100kΩ 2W J				
R921 R922 R923 R924 R925 R928 R933 R934 R935 R974 R976 R977 R978 R979	QRE121J-1R8Y QRE121J-221Y QRZ0237-R18 NRSA63J-154X NRSA63J-105X QRL039J-683 QRE121J-4R7Y NRSA63J-683X QRE121J-392Y NRSA63J-222X QRL029J-120 QRE121J-122Y NRSA63J-473X QRL039J-470 QRL029J-153 QRZ9046-825Z	C RESISTOR C RESISTOR C RESISTOR UNF WW RESISTOR MG RESISTOR OMF RESISTOR C RESISTOR G RESISTOR C RESISTOR C RESISTOR G RESISTOR G RESISTOR OMF RESISTOR C RESISTOR OMF RESISTOR C RESISTOR C RESISTOR OMF RESISTOR OMF RESISTOR OMF RESISTOR	1.8Ω 1/2W J 220Ω 1/2W J 0.18Ω 3W J 150kΩ 1/16W J 1MΩ 1/16W J 68kΩ 3W J 4.7Ω 1/2W J 68kΩ 1/16W J 3.9kΩ 1/2W J 2.2kΩ 1/16W J 12Ω 2W J 1.2kΩ 1/2W J 47kΩ 1/16W J 47Ω 3W J 15kΩ 2W J 8.2MΩ 1/2W K				
L001 L101 L103 L551 L701 L941 L942 L943 T501 ΔT921	QQL244K-8R2Z QQL244J-2R2Z QQL244K-8R2Z QQLZ026-300 QQL244J-5R6Z QQL26AK-820Z QQL244J-4R7Z QQL244J-4R7Z QQR1244-001 QQS0213-001	PEAKING COIL PEAKING COIL PEAKING COIL COIL COIL CHOKE COIL PEAKING COIL PEAKING COIL DRIVE TRANSF SW TRANSF	8.2uH K 2.2uH J 8.2uH K 30uH ±7% 5.6uH J 82uH K 4.7uH J 4.7uH J				

REMOTE CONTROL UNIT PARTS LIST (RM-C360GY-1H)

⚠ Ref No.	Part No.	Part Name	Description	Local
	R25-8567	BATTERY COVER		

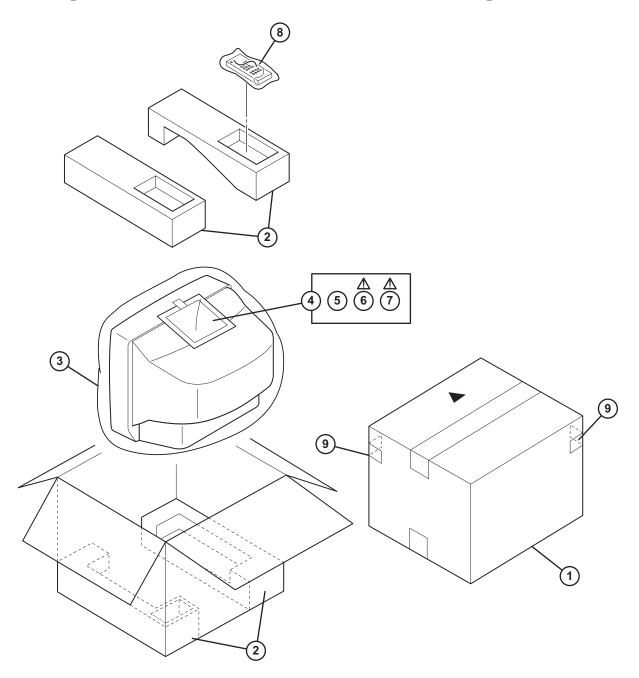
PACKING [AV-2106CE]



PACKING PARTS LIST [AV-2106CE]

Δ	Ref.No.	Part No.	Part Name	Description	Local
	1 2 3 4 5	GG10285-013B-H GG10266-001B-H GG30097-003A-H GG30096-001A-H	PACKING CASE CUSHION ASS'Y POLY BAG POLY BAG BATTERY	5pcs in 1set AA/R6 1.5V(x2)	
⚠	6 7 8 9	GGT0113-001B-H GG40042-001A-H RM-C360GY-1H	INST BOOK WARRANTY CARD CORD CLAMP R/C REMOCON UNIT	Russian,Ukrainaian BT-54023-1H	
	10	GG30147-001B-H	CORNER LABEL	2pcs in 1set	

PACKING [AV-21F16, AV-21FMG6/G, AV-21FMG6B/G]



PACKING PARTS LIST [AV-21F16, AV-21FMG6/G, AV-21FMG6B/G]

⚠ Ref.No.	Part No.	Part Name	Description	Local
1 1 2 3 4 5 <u>4</u> 6 <u>4</u> 6 <u>4</u> 7 <u>4</u> 7	GG10281-013A-H GG10284-028A-H LC10516-007A-H GG30097-003A-H GG30096-001A-H 	PACKING CASE PACKING CASE CUSHION ASSY POLY BAG POLY BAG BATTERY INST BOOK INST BOOK DIGEST MANUAL DIGEST MANUAL REMOCON UNIT CORNER LABEL	4pcs in 1set AA/R6 1.5V(x2) English English Chinese,Russian Arabic,French,Persian,Russian 2pcs in 1set	AV-21F16 AV-21FMG6G,AV-21FMG6BG AV-21F16 AV-21FMG6G,AV-21FMG6BG AV-21F16 AV-21FMG6G,AV-21FMG6BG